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We discuss some continuity results for the Julia sets J and J^+ of a complex Hénon map $H_{c,a}(x, y) = (x^2 + c + ay, ax)$. We look at the parameter space $\mathcal{P}_{(1+t)\lambda} \subset \mathbb{C}^2$ of Hénon maps which have a fixed point with one eigenvalue $(1+t)\lambda$, where λ is a root of unity and t is real and sufficiently small. The Hénon map has a semi-parabolic fixed point when $t = 0$ and we use techniques that we have developed for the semi-parabolic case to describe nearby perturbations. We show that for $0 < |a| < \delta$ and $(c, a) \in \mathcal{P}_{(1+t)\lambda}$, the Julia sets J and J^+ depend continuously on the parameters as $t \rightarrow 0$. These results can be regarded as a two-dimensional analogue of radial convergence for polynomial Julia sets. (Received September 16, 2014)