|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | |  | **Ipv6保留**IP**地址** - | | | | | | | | | | | | | | | | | | |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **地址块** | **范围** |  | **地址** |  | **效用域** | |  |  |  |  |  |  |  | **用途** | | | | | | |  |
|  | **（CIDR）** |  | **数** |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | ::/128 | :: |  | 1 | 软件 | | | 未指定地址。 | | | | | | | | | | | | | |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | ::1/128 | ::1 |  | 1 | 主机 | | | [用于到本地主机的环回地址。](https://zh.wikipedia.org/wiki/IPv4#%E7%8E%AF%E5%9B%9E%E5%9C%B0%E5%9D%80(Loopback_Address)) | | | | | | | | | | | | | |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | ::ffff:0:0 – |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | ::ffff:0:0/96 | ::ffff:ffff:ffff |  | 232 | 软件 | | | IPv4映射地址。 | | | | | | | | | | | | | |  |
|  | (::ffff:0.0.0.0 – |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | ::ffff:255.255.255.255) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 100::/64 | 100:: – |  | 264 |  |  |  | RFC 6666中废除的前缀。 | | | | | | | | | | | | | |  |
|  | 100::ffff:ffff:ffff:ffff |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | 64:ff9b:: |  |  | 全球互联 | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 64:ff9b::/96 | 64:ff9b::ffff:ffff |  | 232 | [用于IPv4/IPv6转换。（RFC](https://tools.ietf.org/html/rfc6052) | | | | | | | | | | | | | |  |
|  |  |  |  | [[12]](#page4) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | (64:ff9b::0.0.0.0 – |  | 网 |  | [6052）](https://tools.ietf.org/html/rfc6052) | | | | | | | | | | | | | |  |
|  |  |  |  |  |  |  |
|  |  | 64:ff9b::255.255.255.255) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 2001::/32 | 2001:: – |  | 296 | 全局 | | | 用于[Teredo](https://zh.wikipedia.org/wiki/Teredo%E9%9A%A7%E9%81%93)通道。 | | | | | | | | | | | | | |  |
|  | 2001::ffff:ffff:ffff:ffff:ffff:ffff |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 2001:10::/28 | 2001:10:: – |  | 2100 | 软件 | | | 已弃用（先前为[ORCHID](https://zh.wikipedia.org/w/index.php?title=ORCHID&action=edit&redlink=1)）。 | | | | | | | | | | | | | |  |
|  | 2001:1f:ffff:ffff:ffff:ffff:ffff:ffff |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 2001:20::/28 | 2001:20:: – |  | 2100 | 软件 | | | [ORCHIDv2](https://zh.wikipedia.org/w/index.php?title=ORCHIDv2&action=edit&redlink=1)。 | | | | | | | | | | | | | |  |
|  | 2001:2f:ffff:ffff:ffff:ffff:ffff:ffff |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 2001:db8::/32 | 2001:db8:: – |  | 296 | 文档 | | | 用于文档和示例源代码中的地址。 | | | | | | | | | | | | | |  |
|  |  | 2001:db8:ffff:ffff:ffff:ffff:ffff:ffff | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 2002::/16 | 2002:: – |  | 2112 | 全球互联网 | | | 用于[6to4](https://zh.wikipedia.org/wiki/6to4)。 | | | | | | | | | | | | | |  |
|  | 2002:ffff:ffff:ffff:ffff:ffff:ffff:ffff | |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | fc00::/7 | fc00:: – |  | 2121 | 专用网络 | | | [用于唯一区域地址。](https://zh.wikipedia.org/w/index.php?title=%E5%94%AF%E4%B8%80%E5%8C%BA%E5%9F%9F%E4%BD%8D%E5%9D%80&action=edit&redlink=1) | | | | | | | | | | | | | |  |
|  | fdff:ffff:ffff:ffff:ffff:ffff:ffff:ffff |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | fe80::/10 | fe80:: – |  | 2118 | 链路 | | | 用于专用网络中的本地通信。 | | | | | | | | | | | | | |  |
|  | febf:ffff:ffff:ffff:ffff:ffff:ffff:ffff |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | ff00::/8 | ff00:: – |  | 2120 | 全球互联网 | | | [用于多播地址。](https://zh.wikipedia.org/w/index.php?title=%E5%A4%9A%E6%92%AD%E5%9C%B0%E5%9D%80&action=edit&redlink=1) | | | | | | | | | | | | | |  |
|  | ffff:ffff:ffff:ffff:ffff:ffff:ffff:ffff |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |