

List of NumPy Datatypes

NumPy Type	C Type	Description
np.int8	int8_t	Byte (-128 to 127)
np.int16	int16_t	Integer (-32768 to 32767)
np.int32	int32_t	Integer (-2147483648 to 2147483647)
np.int64	int64_t	Integer (-9223372036854775808 to 9223372036854775807)
np.uint8	uint8_t	Unsigned integer (0 to 255)
np.uint16	uint16_t	Unsigned integer (0 to 65535)
np.uint32	uint32_t	Unsigned integer (0 to 4294967295)
np.uint64	uint64_t	Unsigned integer (0 to 18446744073709551615)
np.intp	intptr_t	Integer used for indexing, typically the same as <code>ssize_t</code>
np.uintp	uintptr_t	Integer large enough to hold a pointer
np.float32	float	
np.float64 / np.float_	double	Note that this matches the precision of the builtin python float.
np.complex64	float complex	Complex number, represented by two 32-bit floats (real and imaginary components)
np.complex128 / np.complex_	double complex	Note that this matches the precision of the builtin python complex.