

[Core Image](#) / [CIFormat](#) / R8

## Type Property

# R8

An 8-bit-per-pixel, fixed-point pixel format in which the sole component is a red color value.

iOS 9.0+ | iPadOS 9.0+ | Mac Catalyst 13.1+ | macOS 10.11+ | tvOS 9.0+ | visionOS 1.0+

```
static let R8: CIFormat
```

## See Also

### Image Formats

`static let A16: CIFormat`

A 16-bit-per-pixel, fixed-point pixel format in which the sole component is alpha.

`static let A8: CIFormat`

An 8-bit-per-pixel, fixed-point pixel format in which the sole component is alpha.

`static let ABGR8: CIFormat`

A 32-bit-per-pixel, fixed-point pixel format in which the alpha value precedes the blue, green, and red color components.

`static let ARGB8: CIFormat`

A 32-bit-per-pixel, fixed-point pixel format in which the alpha value precedes the red, green, and blue color components.

`static let Af: CIFormat`

A 32-bit-per-pixel, full-width floating-point pixel format in which the sole component is alpha.

```
static let Ah: CIFormat
```

A 16-bit-per-pixel, half-width floating-point pixel format in which the sole component is alpha.

```
static let BGRA8: CIFormat
```

A 32-bit-per-pixel, fixed-point pixel format in which the blue, green, and red color components precede the alpha value.

```
static let R16: CIFormat
```

A 16-bit-per-pixel, fixed-point pixel format in which the sole component is a red color value.

```
static let RG16: CIFormat
```

A 32-bit-per-pixel, fixed-point pixel format with only red and green color components.

```
static let RG8: CIFormat
```

A 16-bit-per-pixel, fixed-point pixel format with only red and green color components.

```
static let RGB10: CIFormat
```

```
static let RGBA16: CIFormat
```

A 64-bit-per-pixel, fixed-point pixel format.

```
static let RGBX16: CIFormat
```

```
static let RGBA8: CIFormat
```

A 32-bit-per-pixel, fixed-point pixel format in which the red, green, and blue color components precede the alpha value.

```
static let RGBAf: CIFormat
```

A 128-bit-per-pixel, floating-point pixel format.