Converting Colors

RYB(87, 208, 254)

Have a look what the booklet for RYB(87, 208, 254) contains.

Color

RYB(87, 208, 254)

Conversions

Conversions Part 1

Format	Color
Hex	57FE96
RGB	87, 254, 150
RGB Percent	34%, 100%, 59%
CMY	0.6588, 0.0039, 0.4099
CMYK	0.66, 0.00, 0.41, 0.00
HSL	143°, 99%, 67%
HSV	143°, 66%, 100%
XYZ	44.9167, 75.1276, 41.1942
YIQ	192.2110, -66.1480, -67.7480

Conversions

Conversions Part 2

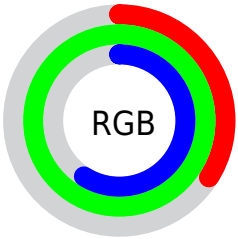
Format	Color
RYB	87, 208, 254
Decimal	5766806
CIELab	89.45, -65.08, 37.16
CIELCh	89, 74.944, 150.272
Yxy	75.1276, 0.2786, 0.4659
Android (android.graphics.Color)	4283956886 (0xFF57FE96)
YUV	192.2110, -20.8100, -92.2700
Hunter-Lab	86.6762, -59.1824, 32.4949

Details

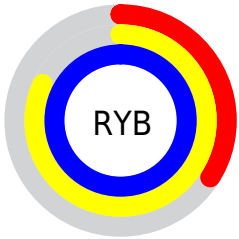
The RYB color 87, 208, 254 is a light color, and the websafe version is hex 66FF99. The color can be described as light muted spring green. A complement of this color would be 254, 87, 191, and the grayscale version is 193, 193, 193.

A 20% lighter version of the original color is 153, 221, 255, and 0, 131, 196 is the 20% darker color. If you saturate the color by 10%, you get 62, 201, 254, and if you desaturate by 10%, it is 112, 215, 254.

Distribution

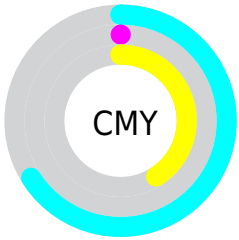


- Red (34%)
- Green (100%)
- Blue (59%)



- Red (34%)
- Yellow (82%)
- Blue (100%)

- Cyan (66%)
- Magenta (0%)
- Yellow (41%)
- Black (0%)



- Cyan (66%)
- Magenta (0%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the RYB color 87, 208, 254 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the RYB color 87, 208, 254 by changing the saturation by 10% instead.

87, 208, 254

255, 255, 255

153, 220, 255

184, 226, 255

215, 235, 255

246, 251, 255

87, 208, 254

46, 171, 225

0, 131, 196

0, 117, 168

0, 104, 140

0, 95, 114

0, 88, 88

0, 63, 63

0, 38, 38

0, 0, 0

87, 208, 254

62, 201, 254

36, 194, 254

11, 187, 254

0, 184, 254

87, 208, 254

112, 215, 254

138, 222, 254

163, 229, 254

189, 236, 254

214, 243, 254

239, 250, 254

255, 254, 255

Harmonies

Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.

93, 242, 144

87, 208, 254

0, 136, 255

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.

87, 208, 254

34, 139, 255

255, 171, 157

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.

87, 208, 254

254, 87, 191

Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.

255, 160, 227

87, 208, 254

227, 206, 255

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.

87, 208, 254

0, 126, 255

255, 176, 255

199, 255, 99

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.

87, 208, 254

0, 128, 255

255, 176, 255

255, 163, 179

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.

87, 208, 254

204, 241, 255

87, 254, 148

97, 119, 128

0, 0, 0

128, 128, 128

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.

87, 208, 254

54, 200, 255

87, 176, 254

115, 124, 128

0, 138, 191

0, 47, 64

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.

254, 87, 191

255, 54, 178

254, 87, 109

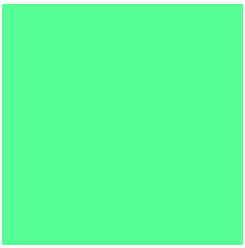
128, 115, 123

191, 0, 119

64, 0, 40

Previews

White Background

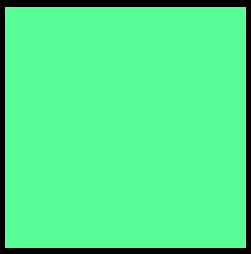


This preview shows how the RYB color 87, 208, 254 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

Black Background



This preview shows how the RYB color 87, 208, 254 looks on a black background.

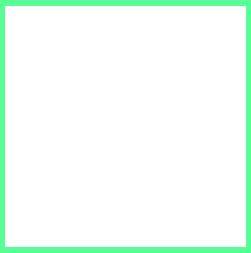
Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the Color Contrast Checker.

RYB 87, 208, 254 Background

This preview shows how black text looks on a background with the RYB color 87, 208, 254.



This preview shows how white text looks on a background with the RYB color 87, 208, 254.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their article about color blindness.

Dichromacy

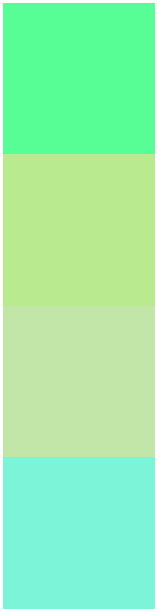
Original Color
87, 208, 254

Protanopia
163, 243, 138

Deuteranopia
255, 253, 178

Tritanopia
145, 195, 255

Trichromacy



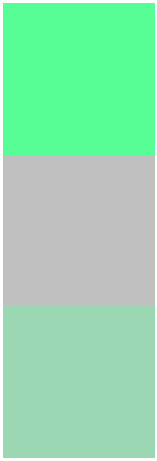
Original Color
87, 208, 254

Protanomaly
143, 234, 191

Deuteranomaly
168, 230, 204

Tritanomaly
124, 192, 244

Monochromacy



Original Color
87, 208, 254

Achromatopsia
192, 192, 192

Achromatomaly
154, 198, 215

CSS Examples

Text

The CSS property to change the color of the text to RYB 87, 208, 254 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color rgb(87, 254, 150) looks like.

```
.text, #text, p{
    color:rgb(87, 254, 150)
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our CSS Text Shadow Generator.

Here you see how black text with a 4 pixel rgb(87, 254, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 254, 150) }
```

Border

The CSS property to change the border of an element to RYB 87, 208, 254 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(87, 254, 150) }
```

If only the border color should be changed use the property border-color.

```
.border{ border-color:rgb(87, 254, 150) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel rgb(87, 254, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(87, 254, 150); -webkit-box-shadow:4px 4px 4px 4px rgb(87, 254, 150); box-shadow:4px 4px 4px 4px rgb(87, 254, 150) }
```

Background

The CSS property to change the background color of an element to RYB 87, 208, 254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(87, 254, 150) }
```

If only the background color should be changed can be used:

```
.background{ background-color:rgb(87, 254,
150) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our online CSS compressor and optimizer based on csstidy. If you want to create a linear or radial gradient as background or border, check our CSS Gradient Generator.

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