

Converting Colors

`RYB(84, 196, 239)`

Have a look what the booklet for
RYB(84, 196, 239) contains.

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Color

RYB(84, 196, 239)

Conversions

Conversions Part 1

Format	Color
Hex	54EF90
RGB	84, 239, 144
RGB Percent	33%, 94%, 56%
CMY	0.6706, 0.0627, 0.4372
CMYK	0.65, 0.00, 0.40, 0.06
HSL	143°, 83%, 63%
HSV	143°, 65%, 94%
XYZ	39.5192, 65.6165, 36.7716
YIQ	181.8250, -61.8850, -62.4050

Conversions

Conversions Part 2

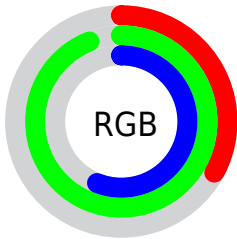
Format	Color
RYB	84, 196, 239
Decimal	5566352
CIELab	84.80, -61.30, 34.52
CIELCh	85, 70.347, 150.616
Yxy	65.6165, 0.2785, 0.4624
Android (android.graphics.Color)	4283756432 (0xFF54EF90)
YUV	181.8250, -18.6477, -85.7925
Hunter-Lab	81.0040, -54.6726, 29.7882

Details

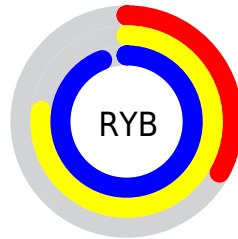
The RYB color **84, 196, 239** is a light color, and the websafe version is hex **66FF99**. The color can be described as light muted spring green. A complement of this color would be **239, 84, 179**, and the grayscale version is **182, 182, 182**.

A 20% lighter version of the original color is **148, 220, 255**, and **0, 121, 182** is the 20% darker color. If you saturate the color by 10%, you get **60, 189, 239**, and if you desaturate by 10%, it is **108, 203, 239**.

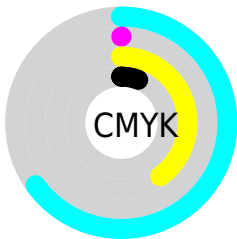
Distribution



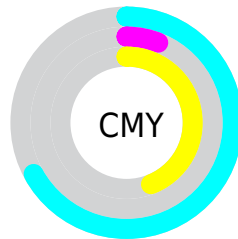
- Red (33%)
- Green (94%)
- Blue (56%)



- Red (33%)
- Yellow (77%)
- Blue (94%)



- Cyan (65%)
- Magenta (0%)
- Yellow (40%)
- Black (6%)




















- Cyan (67%)
- Magenta (6%)
- Yellow (44%)


Brightness & Saturation Gradients


These gradients show how the RYB color 84, 196, 239 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 84, 196, 239 by changing the saturation by 10% instead.


 84, 196, 239	 84, 196, 239
 255, 255, 255	 44, 159, 210
 148, 221, 255	 0, 121, 182
 179, 226, 255	 0, 107, 154
 209, 232, 255	 0, 95, 127
 240, 248, 255	 0, 86, 101
	 0, 75, 75
	 0, 52, 52
	 0, 25, 25
	 0, 0, 0

 84, 196, 239


 84, 196, 239

 60, 189, 239

 108, 203, 239

 36, 183, 239

 132, 209, 239

 12, 176, 239


 156, 216, 239

 0, 173, 239

 180, 223, 239

 203, 229, 239

 227, 235, 239

 251, 239, 247

 255, 239, 255

Harmonies

Analogous

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



90, 228, 138



84, 196, 239



0, 131, 244

Triad

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



84, 196, 239



53, 144, 255



255, 162, 148

Complementary

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



84, 196, 239



239, 84, 179

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, 152, 213



84, 196, 239



215, 194, 255

Square

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



84, 196, 239



0, 122, 255



255, 167, 255



223, 255, 95

Rectangle

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



84, 196, 239



0, 125, 255



255, 167, 255



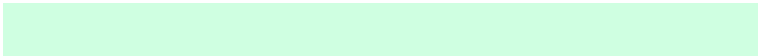
255, 155, 169

Sweetspot

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



84, 196, 239



207, 242, 255



84, 239, 143



98, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



84, 196, 239



56, 200, 255



84, 166, 239



108, 117, 120



0, 133, 184



0, 40, 56

Inverse Universe

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



239, 84, 179



255, 56, 179



239, 84, 102



120, 108, 115



184, 0, 113



56, 0, 35

Previews

White Background



This preview shows how the RYB color 84, 196, 239 looks on a white background.

Color Contrast Check

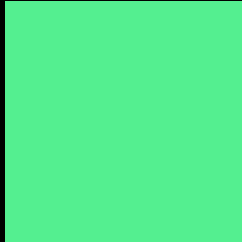
Large Text (above 18pt) WCAG AA × Fail

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 84, 196, 239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

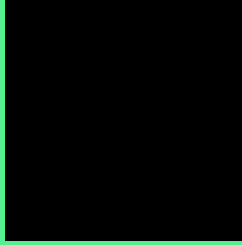
Any Text WCAG AA ✓ Pass

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](#).

RGB 84, 196, 239 Background



This preview shows how black text looks on a background with the RGB color 84, 196, 239.

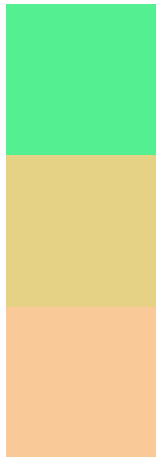


This preview shows how white text looks on a background with the RGB color 84, 196, 239.

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
84, 196, 239

Protanopia
156, 229, 132

Deuteranopia
247, 249, 152



Tritanopia
117, 176, 245

Trichromacy



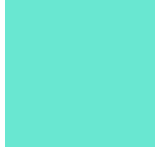
Original Color
84, 196, 239



Protanomaly
136, 221, 181



Deuteranomaly
149, 215, 175



Tritanomaly
105, 174, 231

Monochromacy



Original Color
84, 196, 239



Achromatopsia
182, 182, 182



Achromatomaly
146, 187, 203

CSS Examples

Text

The CSS property to change the color of the text to RYB 84, 196, 239 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(84, 239, 144) looks like.

```
.text, #text, p{  
    color:rgb(84, 239, 144)  
}
```

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(84, 239, 144) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 239, 144) }
```

Border

The CSS property to change the border of an element to RYB 84, 196, 239 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(84, 239, 144) }
```

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

```
.border{ border-color:rgb(84, 239, 144) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 239, 144)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 239, 144); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 239, 144);  
box-shadow:4px 4px 4px 4px rgb(84, 239,  
144) }
```

Background

The CSS property to change the background color of an element to RYB 84, 196, 239 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 239, 144) }
```

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

```
.background{ background-color: rgb(84, 239,  
144) }
```

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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