

Converting Colors

`RYB(84, 173, 250)`

Have a look what the booklet for RYB(84, 173, 250) contains.

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Color

RYB(84, 173, 250)

Conversions

Conversions Part 1

Format	Color
Hex	54FAE4
RGB	84, 250, 228
RGB Percent	33%, 98%, 89%
CMY	0.6706, 0.0196, 0.1074
CMYK	0.66, 0.00, 0.09, 0.02
HSL	172°, 94%, 65%
HSV	172°, 66%, 98%
XYZ	51.7924, 75.8363, 85.0292
YIQ	197.8580, -91.8740, -42.0340

Conversions

Conversions Part 2

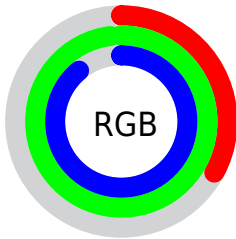
Format	Color
RYB	84, 173, 250
Decimal	5569252
CIELab	89.78, -47.57, -1.79
CIElCh	90, 47.602, 182.156
Yxy	75.8363, 0.2435, 0.3566
Android (android.graphics.Color)	4283759332 (0xFF54FAE4)
YUV	197.8580, 14.8600, -99.8535
Hunter-Lab	87.0840, -46.2359, 3.0678

Details

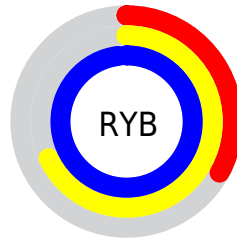
The RYB color **84, 173, 250** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **250, 84, 106**, and the grayscale version is **198, 198, 198**.

A 20% lighter version of the original color is **152, 204, 255**, and **0, 102, 193** is the 20% darker color. If you saturate the color by 10%, you get **59, 161, 250**, and if you desaturate by 10%, it is **109, 185, 250**.

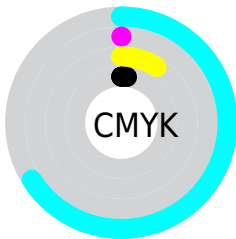
Distribution



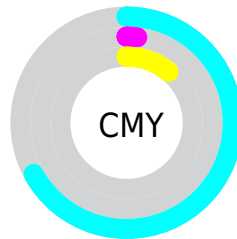
- Red (33%)
- Green (98%)
- Blue (89%)



- Red (33%)
- Yellow (68%)
- Blue (98%)



- Cyan (66%)
- Magenta (0%)
- Yellow (9%)
- Black (2%)




















- Cyan (67%)
- Magenta (2%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the RYB color 84, 173, 250 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, 173, 250 by changing the saturation by 10% instead.


 84, 173, 250	 84, 173, 250
 255, 255, 255	 39, 136, 221
 152, 204, 255	 0, 102, 193
 183, 219, 255	 0, 88, 165
 214, 235, 255	 0, 74, 138
 246, 251, 255	 0, 61, 112
	 0, 47, 86
	 0, 34, 62
	 0, 23, 40
	 0, 0, 3


 84, 173, 250


 84, 173, 250

 59, 161, 250


 109, 185, 250

 34, 150, 250

 134, 196, 250

 9, 138, 250

 159, 208, 250

 0, 134, 250

 184, 219, 250

 209, 231, 250

 234, 243, 250

 255, 250, 251

 255, 250, 255

Harmonies

Analogous

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



149, 221, 246



84, 173, 250



0, 126, 255

Triad

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



84, 173, 250



235, 213, 255



229, 255, 146

Complementary

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



84, 173, 250



250, 84, 106

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, 199, 180



84, 173, 250



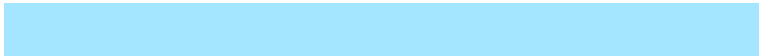
255, 197, 255

Square

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



84, 173, 250



164, 202, 255



255, 190, 224



171, 252, 134

Rectangle

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



84, 173, 250



46, 148, 255



255, 190, 224



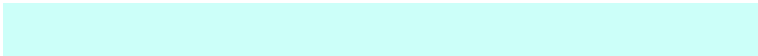
255, 245, 156

Sweetspot

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



84, 173, 250



204, 231, 255



84, 250, 225



97, 114, 128



0, 0, 0



128, 128, 128

Same Dimension

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



84, 173, 250



51, 161, 255



84, 149, 250



112, 119, 125



0, 101, 189



0, 33, 61

Inverse Universe

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



250, 84, 106



255, 51, 79



250, 173, 84



125, 112, 114



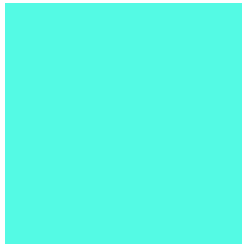
189, 0, 25



61, 0, 8

Previews

White Background



This preview shows how the RYB color 84, 173, 250 looks on a white background.

Color Contrast Check

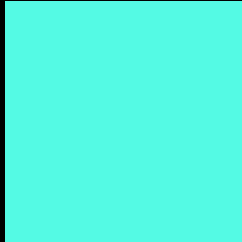
Large Text (above 18pt) WCAG AA × Fail

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, 173, 250 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

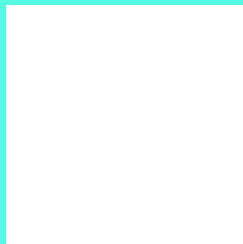
Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

R Y B 84, 173, 250 Background



This preview shows how black text looks on a background with the RYB color 84, 173, 250.




This preview shows how white text looks on a background with the RYB color 84, 173, 250.

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





Tritanopia
145, 196, 255

Trichromacy



Original Color

84, 173, 250



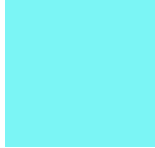
Protanomaly

178, 210, 233



Deuteranomaly

184, 207, 232



Tritanomaly

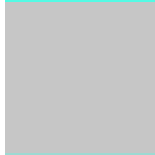
123, 184, 245

Monochromacy



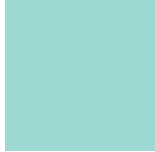
Original Color

84, 173, 250



Achromatopsia

198, 198, 198



Achromatomaly

157, 189, 217

CSS Examples

Text

The CSS property to change the color of the text to RYB 84, 173, 250 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, 250, 228)` looks like.

```
.text, #text, p{  
    color:rgb(84, 250, 228)  
}
```

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, 250, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(84, 250, 228) }
```

Border

The CSS property to change the border of an element to RYB 84, 173, 250 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, 250, 228) }
```

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

```
.border{ border-color:rgb(84, 250, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(84, 250, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(84, 250, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(84, 250, 228);  
box-shadow:4px 4px 4px 4px rgb(84, 250,  
228) }
```

Background

The CSS property to change the background color of an element to RYB 84, 173, 250 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(84, 250, 228) }
```

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

```
.background{ background-color: rgb(84, 250,  
228) }
```

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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