

Converting Colors

`RYB(85, 160, 248)`

Have a look what the booklet for
RYB(85, 160, 248) contains.

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Color

R_YB(85, 160, 248)

Conversions

Conversions Part 1

Format	Color
Hex	55E0F8
RGB	85, 224, 248
RGB Percent	33%, 88%, 97%
CMY	0.6667, 0.1219, 0.0275
CMYK	0.66, 0.10, 0.00, 0.03
HSL	189°, 92%, 65%
HSV	189°, 66%, 97%
XYZ	47.3239, 61.9772, 98.2755
YIQ	185.1750, -90.5480, -22.0040

Conversions

Conversions Part 2

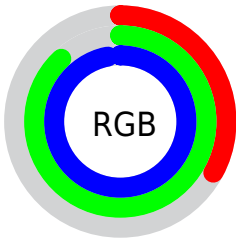
Format	Color
R _Y B	85, 160, 248
Decimal	5628152
CIE Lab	82.90, -30.00, -22.76
CIE LCh	83, 37.662, 217.185
Yxy	61.9772, 0.2280, 0.2986
Android (android.graphics.Color)	4283818232 (0xFF55E0F8)
YUV	185.1750, 30.9727, -87.8535
Hunter-Lab	78.7256, -30.4690, -18.9056

Details

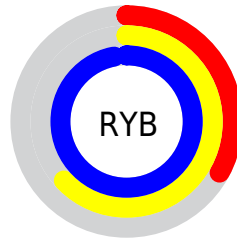
The RYB color **85, 160, 248** is a light color, and the websafe version is hex **66CCCC**. The color can be described as light muted cyan. A complement of this color would be **248, 113, 85**, and the grayscale version is **185, 185, 185**.

A 20% lighter version of the original color is **151, 203, 255**, and **0, 90, 192** is the 20% darker color. If you saturate the color by 10%, you get **60, 146, 248**, and if you desaturate by 10%, it is **110, 174, 248**.

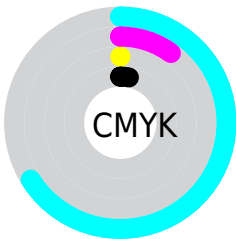
Distribution



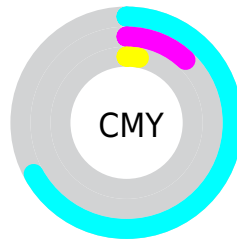
- Red (33%)
- Green (88%)
- Blue (97%)



- Red (33%)
- Yellow (63%)
- Blue (97%)



- Cyan (66%)
- Magenta (10%)
- Yellow (0%)
- Black (3%)



















- Cyan (67%)
- Magenta (12%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the RYB color 85, 160, 248 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 85, 160, 248 by changing the saturation by 10% instead.

 85, 160, 248	 85, 160, 248
 255, 255, 255	 42, 124, 219
 151, 203, 255	 0, 90, 192
 182, 219, 255	 0, 76, 164
 214, 235, 255	 0, 63, 138
 245, 250, 255	 0, 50, 113
	 0, 38, 88
	 0, 26, 65
	 0, 14, 43
	 0, 1, 22

■ 85, 160, 248

■ 85, 160, 248

■ 60, 146, 248

■ 110, 174, 248

■ 35, 133, 248

■ 135, 187, 248

■ 11, 120, 248

■ 159, 200, 248

■ 0, 114, 248

■ 184, 214, 248

■ 209, 227, 248

■ 234, 240, 248

■ 255, 251, 248

■ 251, 255, 248

■ 248, 255, 248

Harmonies

Analogous

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



102, 167, 226



85, 160, 248



118, 175, 255

Triad

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



85, 160, 248



255, 184, 235



154, 222, 136

Complementary

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



85, 160, 248



248, 113, 85

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.



254, 243, 142



85, 160, 248



255, 180, 199

Square

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



85, 160, 248



222, 194, 255



255, 189, 165



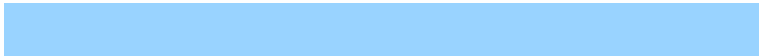
149, 217, 182

Rectangle

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



85, 160, 248



153, 190, 255



255, 189, 165



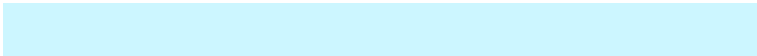
181, 234, 136

Sweetspot

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



85, 160, 248



204, 227, 255



85, 229, 248



97, 111, 128



0, 0, 0



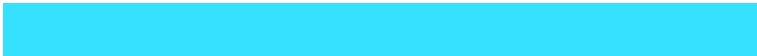
128, 128, 128

Same Dimension

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



85, 160, 248



54, 146, 255



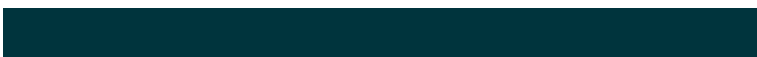
85, 129, 248



112, 118, 125



0, 87, 189



0, 28, 61

Inverse Universe

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



248, 85, 224



255, 54, 225



180, 248, 85



125, 112, 123



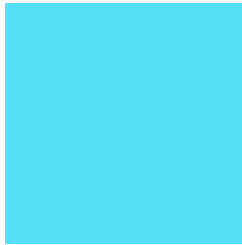
189, 0, 161



61, 0, 52

Previews

White Background



This preview shows how the RYB color 85, 160, 248 looks on a white background.

Color Contrast Check

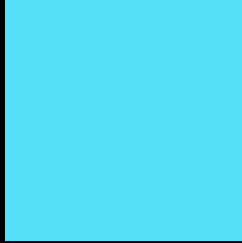
Large Text (above 18pt) WCAG AA × Fail

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 85, 160, 248 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 85, 160, 248 Background



This preview shows how black text looks on a background with the RYB color 85, 160, 248.

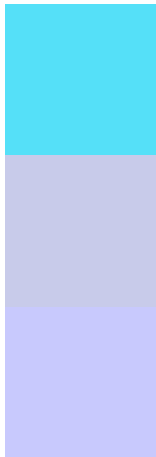


This preview shows how white text looks on a background with the RYB color 85, 160, 248.

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](#).

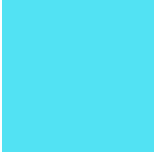
Dichromacy



Original Color
85, 160, 248

Protanopia
200, 203, 234

Deuteranopia
200, 201, 253



Tritanopia
82, 158, 243

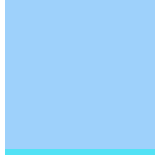
Trichromacy



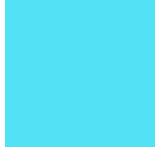
Original Color
85, 160, 248



Protanomaly
158, 190, 239



Deuteranomaly
158, 191, 251

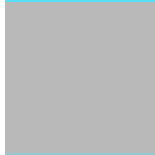


Tritanomaly
83, 159, 245

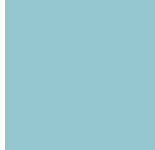
Monochromacy



Original Color
85, 160, 248



Achromatopsia
185, 185, 185



Achromatomaly
149, 176, 208

CSS Examples

Text

The CSS property to change the color of the text to RYB 85, 160, 248 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(85, 224, 248)` looks like.

```
.text, #text, p{  
    color:rgb(85, 224, 248)  
}
```

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(85, 224, 248) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 224, 248) }
```

Border

The CSS property to change the border of an element to RYB 85, 160, 248 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(85, 224, 248) }
```

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

```
.border{ border-color:rgb(85, 224, 248) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 224, 248)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 224, 248); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 224, 248);  
box-shadow:4px 4px 4px 4px rgb(85, 224,  
248) }
```

Background

The CSS property to change the background color of an element to RYB 85, 160, 248 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 224, 248) }
```

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

```
.background{ background-color: rgb(85, 224,  
248) }
```

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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