

Converting Colors

`RYB(85, 154, 252)`

Have a look what the booklet for
RYB(85, 154, 252) contains.

RYB(85, 154, 252)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(85, 154, 252)

Conversions

Conversions Part 1

Format	Color
Hex	55CBFC
RGB	85, 203, 252
RGB Percent	33%, 80%, 99%
CMY	0.6667, 0.2056, 0.0118
CMYK	0.66, 0.20, 0.00, 0.01
HSL	198°, 97%, 66%
HSV	198°, 66%, 99%
XYZ	42.5743, 51.4741, 99.7871
YIQ	173.3040, -86.0570, -9.7770

Conversions

Conversions Part 2

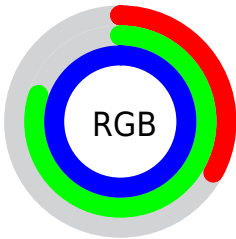
Format	Color
R_{YB}	85, 154, 252
Decimal	5622780
CIE _{Lab}	76.97, -18.15, -33.98
CIE _{LCh}	77, 38.525, 241.898
Yxy	51.4741, 0.2196, 0.2656
Android (android.graphics.Color)	4283812860 (0xFF55CBFC)
YUV	173.3040, 38.7971, -77.4426
Hunter-Lab	71.7455, -19.6314, -32.2416

Details

The RYB color **85, 154, 252** is a light color, and the websafe version is hex **66CCFF**. The color can be described as light muted cyan. A complement of this color would be **252, 154, 85**, and the grayscale version is **173, 173, 173**.

A 20% lighter version of the original color is **150, 203, 255**, and **0, 84, 195** is the 20% darker color. If you saturate the color by 10%, you get **60, 139, 252**, and if you desaturate by 10%, it is **110, 169, 252**.

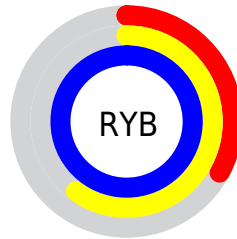
Distribution



Red (33%)

Green (80%)

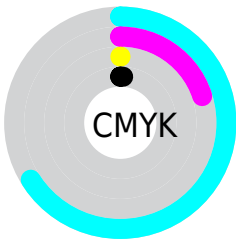
Blue (99%)



Red (33%)

Yellow (60%)

Blue (99%)

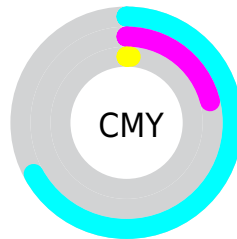


Cyan (66%)

Magenta (20%)

Yellow (0%)

Black (1%)



Cyan (67%)

















Magenta (21%)

Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the RYB color 85, 154, 252 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, 154, 252 by changing the saturation by 10% instead.

 85, 154, 252	 85, 154, 252
 255, 255, 255	 44, 120, 223
 150, 203, 255	 0, 84, 195
 181, 218, 255	 0, 71, 168
 212, 234, 255	 0, 58, 141
 243, 249, 255	 0, 45, 116
	 0, 33, 91
	 0, 21, 67
	 0, 3, 45
	 0, 1, 23

■ 85, 154, 252

■ 85, 154, 252

■ 60, 139, 252

■ 110, 169, 252

■ 35, 125, 252

■ 135, 183, 252

■ 9, 109, 252

■ 161, 199, 252

■ 0, 104, 252

■ 186, 213, 252

■ 211, 228, 252

■ 236, 243, 252

252, 255, 252

Harmonies

Analogous

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



54, 135, 226



85, 154, 252



143, 178, 255

Triad

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



85, 154, 252



255, 163, 189



128, 199, 153

Complementary

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



85, 154, 252



252, 154, 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.



148, 212, 118



85, 154, 252



255, 168, 154

Square

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



85, 154, 252



237, 168, 224



241, 211, 128



132, 188, 206

Rectangle

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



85, 154, 252



181, 184, 255



241, 211, 128



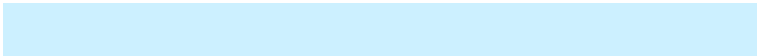
123, 196, 132

Sweetspot

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



85, 154, 252



204, 225, 255



85, 215, 252



97, 110, 128



0, 0, 0



128, 128, 128

Same Dimension

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



85, 154, 252



51, 135, 255



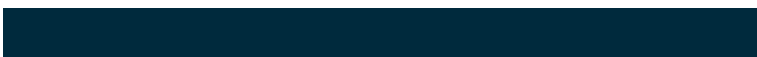
85, 115, 252



112, 117, 125



0, 78, 189



0, 25, 61

Inverse Universe

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



252, 85, 203



255, 51, 195



131, 252, 85



125, 112, 121



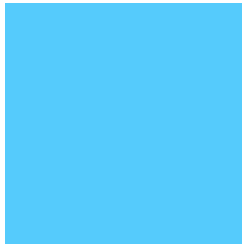
189, 0, 133



61, 0, 43

Previews

White Background



This preview shows how the RYB color 85, 154, 252 looks on a white background.

Color Contrast Check

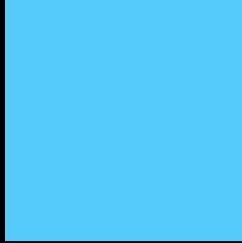
Large Text (above 18pt) WCAG AA × Fail

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, 154, 252 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

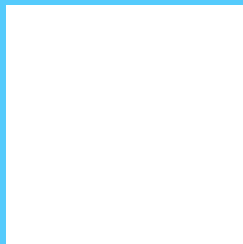
Any Text WCAG AAA ✓ Pass

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

RYB 85, 154, 252 Background



This preview shows how black text looks on a background with the RYB color 85, 154, 252.

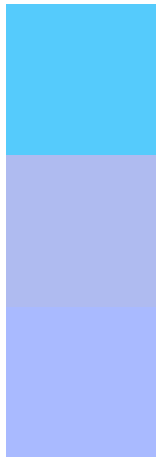


This preview shows how white text looks on a background with the RYB color 85, 154, 252.

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](#).

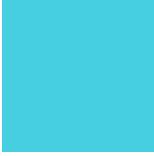
Dichromacy



Original Color
85, 154, 252

Protanopia
175, 185, 240

Deuteranopia
169, 183, 255



Tritanopia
69, 142, 224

Trichromacy



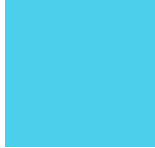
Original Color
85, 154, 252



Protanomaly
142, 176, 244



Deuteranomaly
138, 175, 254



Tritanomaly
75, 147, 234

Monochromacy



Original Color
85, 154, 252



Achromatopsia
173, 173, 173



Achromatomaly
141, 166, 202

CSS Examples

Text

The CSS property to change the color of the text to RYB 85, 154, 252 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, 203, 252) looks like.

```
.text, #text, p{  
    color:rgb(85, 203, 252)  
}
```

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, 203, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 203, 252) }
```

Border

The CSS property to change the border of an element to RYB 85, 154, 252 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, 203, 252) }
```

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

```
.border{ border-color:rgb(85, 203, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 203, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 203, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 203, 252);  
box-shadow:4px 4px 4px 4px rgb(85, 203,  
252) }
```

Background

The CSS property to change the background color of an element to RYB 85, 154, 252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 203, 252) }
```

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

```
.background{ background-color: rgb(85, 203,  
252) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor