

Converting Colors

`RYB(83, 169, 244)`

Have a look what the booklet for
RYB(83, 169, 244) contains.

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Color

`RYB(83, 169, 244)`

Conversions

Conversions Part 1

Format	Color
Hex	53F4DF
RGB	83, 244, 223
RGB Percent	33%, 96%, 87%
CMY	0.6745, 0.0431, 0.1239
CMYK	0.66, 0.00, 0.08, 0.04
HSL	172°, 88%, 64%
HSV	172°, 66%, 96%
XYZ	49.2922, 71.8901, 81.3783
YIQ	193.4670, -89.2150, -40.6630

Conversions

Conversions Part 2

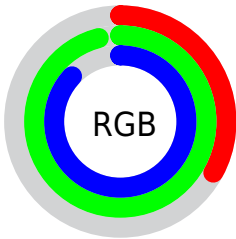
Format	Color
R_{YB}	83, 169, 244
Decimal	5502175
CIE _{Lab}	87.92, -46.20, -2.34
CIE _{LCh}	88, 46.258, 182.895
Yxy	71.8901, 0.2433, 0.3549
Android (android.graphics.Color)	4283692255 (0xFF53F4DF)
YUV	193.4670, 14.5598, -96.8796
Hunter-Lab	84.7880, -44.6066, 2.4459

Details

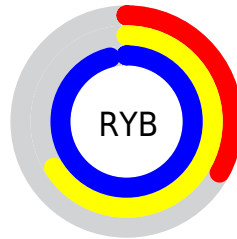
The RYB color **83, 169, 244** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **244, 83, 104**, and the grayscale version is **193, 193, 193**.

A 20% lighter version of the original color is **150, 203, 255**, and **0, 99, 187** is the 20% darker color. If you saturate the color by 10%, you get **59, 158, 244**, and if you desaturate by 10%, it is **107, 180, 244**.

Distribution



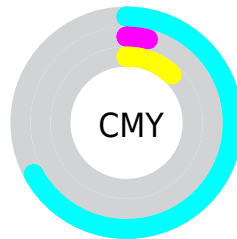
- Red (33%)
- Green (96%)
- Blue (87%)



- Red (33%)
- Yellow (66%)
- Blue (96%)



- Cyan (66%)
- Magenta (0%)
- Yellow (8%)
- Black (4%)



















- Cyan (67%)
- Magenta (4%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the RYB color 83, 169, 244 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 83, 169, 244 by changing the saturation by 10% instead.

 83, 169, 244	 83, 169, 244
 255, 255, 255	 39, 132, 215
 150, 203, 255	 0, 99, 187
 181, 218, 255	 0, 84, 159
 212, 234, 255	 0, 71, 133
 244, 250, 255	 0, 58, 107
	 0, 44, 81
	 0, 32, 57
	 0, 20, 35
	 0, 0, 0

■ 83, 169, 244

■ 83, 169, 244

■ 59, 158, 244

■ 107, 180, 244

■ 34, 146, 244

■ 132, 192, 244

■ 10, 135, 244

■ 156, 203, 244

■ 0, 130, 244

■ 181, 215, 244

■ 205, 226, 244

■ 229, 237, 244

■ 254, 244, 245

■ 255, 244, 248

■ 255, 244, 251

Harmonies

Analogous

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



145, 215, 240



83, 169, 244



10, 129, 255

Triad

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



83, 169, 244



231, 207, 255



237, 255, 143

Complementary

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



83, 169, 244



244, 83, 104

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, 195, 175



83, 169, 244



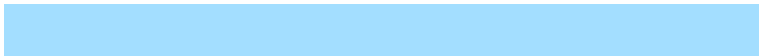
255, 193, 255

Square

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



83, 169, 244



163, 199, 255



255, 186, 218



166, 245, 132

Rectangle

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



83, 169, 244



53, 150, 255



255, 186, 218



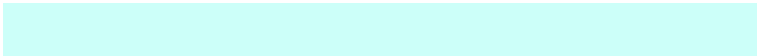
255, 238, 152

Sweetspot

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



83, 169, 244



204, 231, 255



83, 244, 223



97, 114, 128



0, 0, 0



128, 128, 128

Same Dimension

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



83, 169, 244



54, 161, 255



83, 145, 244



110, 116, 122



0, 99, 186



0, 32, 59

Inverse Universe

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



244, 83, 104



255, 54, 79



244, 176, 83



122, 110, 112



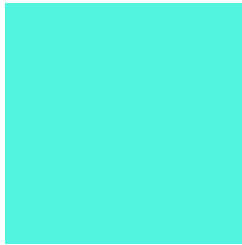
186, 0, 24



59, 0, 8

Previews

White Background



This preview shows how the RYB color 83, 169, 244 looks on a white background.

Color Contrast Check

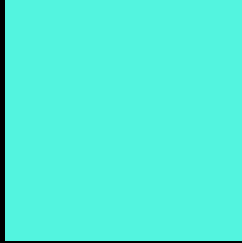
Large Text (above 18pt) WCAG AA × Fail

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 83, 169, 244 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

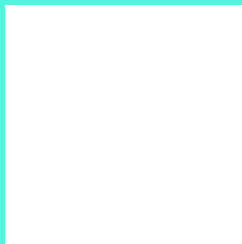
Any Text WCAG AAA ✓ Pass

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

RYB 83, 169, 244 Background



This preview shows how black text looks on a background with the RYB color 83, 169, 244.



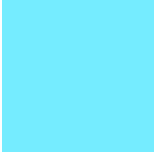
This preview shows how white text looks on a background with the RYB color 83, 169, 244.

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
117, 181, 255

Trichromacy



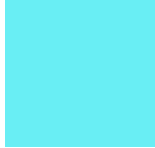
Original Color
83, 169, 244



Protanomaly
173, 204, 227



Deuteranomaly
180, 203, 228

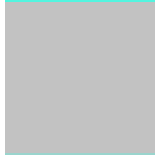


Tritanomaly
105, 173, 244

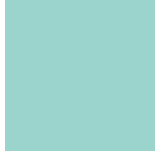
Monochromacy



Original Color
83, 169, 244



Achromatopsia
194, 194, 194



Achromatomaly
154, 185, 212

CSS Examples

Text

The CSS property to change the color of the text to RYB 83, 169, 244 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(83, 244, 223)` looks like.

```
.text, #text, p{  
    color:rgb(83, 244, 223)  
}
```

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(83, 244, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(83, 244, 223) }
```

Border

The CSS property to change the border of an element to RYB 83, 169, 244 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(83, 244, 223) }
```

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

```
.border{ border-color:rgb(83, 244, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(83, 244, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(83, 244, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(83, 244, 223);  
box-shadow:4px 4px 4px 4px rgb(83, 244,  
223) }
```

Background

The CSS property to change the background color of an element to RGB 83, 169, 244 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(83, 244, 223) }
```

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

```
.background{ background-color: rgb(83, 244,  
223) }
```

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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