

Converting Colors

`RYB(100, 203, 254)`

Have a look what the booklet for
RYB(100, 203, 254) contains.

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Color

R_YB(100, 203, 254)

Conversions

Conversions Part 1

Format	Color
Hex	64FEB0
RGB	100, 254, 176
RGB Percent	39%, 100%, 69%
CMY	0.6078, 0.0039, 0.3088
CMYK	0.61, 0.00, 0.31, 0.00
HSL	150°, 99%, 69%
HSV	150°, 61%, 100%
XYZ	48.5588, 76.7375, 53.4579
YIQ	199.0620, -66.7460, -56.9060

Conversions

Conversions Part 2

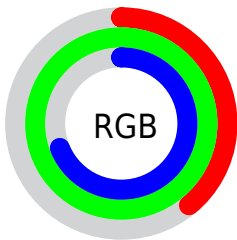
Format	Color
RYB	100, 203, 254
Decimal	6618800
CIELab	90.20, -58.05, 25.33
CIELCh	90, 63.334, 156.429
Yxy	76.7375, 0.2717, 0.4293
Android (android.graphics.Color)	4284808880 (0xFF64FEB0)
YUV	199.0620, -11.3696, -86.8774
Hunter-Lab	87.6000, -54.3530, 25.1383

Details

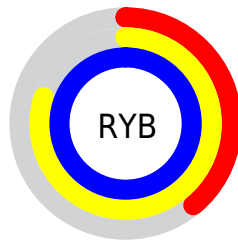
The RYB color **100, 203, 254** is a light color, and the websafe version is hex **66FF99**. A complement of this color would be **254, 100, 178**, and the grayscale version is **199, 199, 199**.

A 20% lighter version of the original color is **163, 216, 255**, and **4, 123, 196** is the 20% darker color. If you saturate the color by 10%, you get **75, 195, 254**, and if you desaturate by 10%, it is **125, 211, 254**.

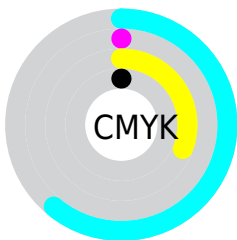
Distribution



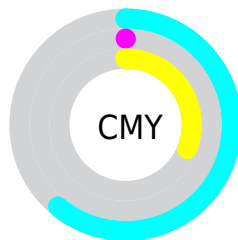
- Red (39%)
- Green (100%)
- Blue (69%)



- Red (39%)
- Yellow (80%)
- Blue (100%)



- Cyan (61%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)



- Cyan (61%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the RYB color 100, 203, 254 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 100, 203, 254 by changing the saturation by 10% instead.

 100, 203, 254


255, 255, 255

 163, 216, 255

 193, 224, 255

 224, 240, 255

 100, 203, 254


 65, 170, 225

 4, 123, 196

 0, 106, 168

 0, 92, 141

 0, 79, 114

 0, 67, 88

 0, 59, 63

 0, 40, 40

 0, 1, 1

■ 100, 203, 254

■ 100, 203, 254

■ 75, 195, 254

■ 125, 211, 254

■ 49, 186, 254

■ 151, 220, 254

■ 24, 178, 254

■ 176, 228, 254

■ 0, 170, 254

■ 202, 237, 254

■ 227, 245, 254

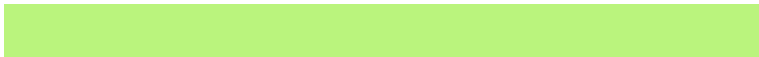
■ 252, 253, 254

255, 254, 255

Harmonies

Analogous

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



125, 244, 183



100, 203, 254



0, 132, 255

Triad

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



100, 203, 254



145, 193, 255



255, 195, 158

Complementary

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



100, 203, 254



254, 100, 178

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, 175, 216



100, 203, 254



249, 206, 255

Square

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



100, 203, 254



0, 125, 255



255, 184, 255



190, 255, 115

Rectangle

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



100, 203, 254



0, 128, 255



255, 184, 255



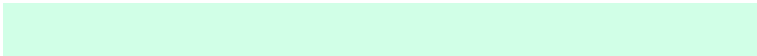
255, 180, 176

Sweetspot

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



100, 203, 254



209, 240, 255



100, 254, 174



99, 119, 128



0, 0, 0



128, 128, 128

Same Dimension

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



100, 203, 254



69, 193, 255



100, 178, 254



115, 124, 128



0, 128, 191



0, 43, 64

Inverse Universe

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



254, 100, 178



255, 69, 163



254, 100, 103



128, 115, 121



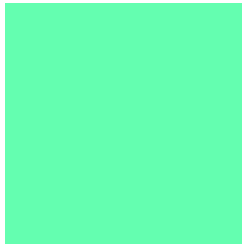
191, 0, 97



64, 0, 32

Previews

White Background



This preview shows how the RYB color 100, 203, 254 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 100, 203, 254 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

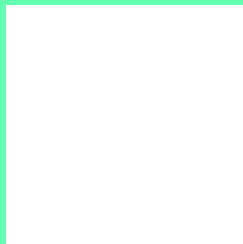
Any Text WCAG AAA ✓ Pass

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

RYB 100, 203, 254 Background



This preview shows how black text looks on a background with the RYB color 100, 203, 254.

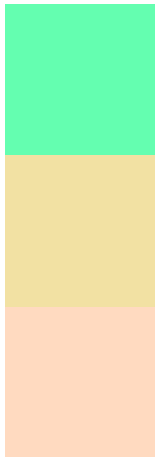


This preview shows how white text looks on a background with the RYB color 100, 203, 254.

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
100, 203, 254

Protanopia
185, 242, 163

Deuteranopia
255, 236, 192



Tritanopia
156, 201, 255

Trichromacy



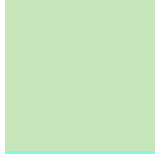
Original Color

100, 203, 254



Protanomaly

168, 236, 214



Deuteranomaly

186, 231, 218



Tritanomaly

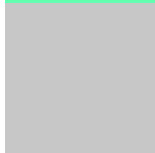
136, 195, 244

Monochromacy



Original Color

100, 203, 254



Achromatopsia

199, 199, 199



Achromatomaly

163, 200, 219

CSS Examples

Text

The CSS property to change the color of the text to RYB 100, 203, 254 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(100, 254, 176)` looks like.

```
.text, #text, p{  
    color:rgb(100, 254, 176)  
}
```

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(100, 254, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 254, 176) }
```

Border

The CSS property to change the border of an element to RYB 100, 203, 254 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(100, 254, 176) }
```

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

```
.border{ border-color:rgb(100, 254, 176) }
```

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

Here you see how a box with a 4 pixel rgb(100, 254, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 254, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 254, 176);  
box-shadow:4px 4px 4px 4px rgb(100, 254,  
176) }
```

Background

The CSS property to change the background color of an element to RYB 100, 203, 254 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 254, 176) }
```

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

```
.background{ background-color: rgb(100,  
254, 176) }
```

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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