

Converting Colors

`RYB(100, 180, 233)`

Have a look what the booklet for
RYB(100, 180, 233) contains.

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Color

`RYB(100, 180, 233)`

Conversions

Conversions Part 1

Format	Color
Hex	64E9BC
RGB	100, 233, 188
RGB Percent	39%, 91%, 74%
CMY	0.6078, 0.0863, 0.2623
CMYK	0.57, 0.00, 0.19, 0.09
HSL	160°, 75%, 65%
HSV	160°, 57%, 91%
XYZ	43.4837, 64.6228, 57.8222
YIQ	188.1030, -64.8230, -42.1910

Conversions

Conversions Part 2

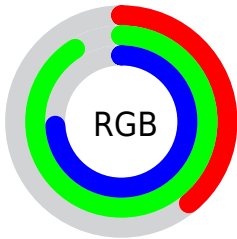
Format	Color
RYB	100, 180, 233
Decimal	6613436
CIELab	84.29, -47.01, 10.95
CIELCh	84, 48.268, 166.886
Yxy	64.6228, 0.2621, 0.3895
Android (android.graphics.Color)	4284803516 (0xFF64E9BC)
YUV	188.1030, -0.0508, -77.2663
Hunter-Lab	80.3883, -44.1253, 13.6254

Details

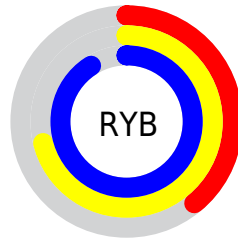
The RYB color **100, 180, 233** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **233, 100, 145**, and the grayscale version is **188, 188, 188**.

A 20% lighter version of the original color is **160, 210, 255**, and **23, 111, 176** is the 20% darker color. If you saturate the color by 10%, you get **77, 171, 233**, and if you desaturate by 10%, it is **123, 189, 233**.

Distribution



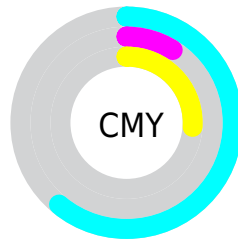
- Red (39%)
- Green (91%)
- Blue (74%)



- Red (39%)
- Yellow (71%)
- Blue (91%)



- Cyan (57%)
- Magenta (0%)
- Yellow (19%)
- Black (9%)




- Cyan (61%)
- Magenta (9%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the RYB color 100, 180, 233 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, 180, 233 by changing the saturation by 10% instead.

 100, 180, 233


255, 255, 255


 160, 210, 255


 190, 223, 255

 220, 238, 255

 251, 253, 255

 100, 180, 233

 67, 148, 204

 23, 111, 176

 0, 86, 149

 0, 73, 123


 0, 59, 97

 0, 46, 72


 0, 35, 49

 0, 24, 24


 0, 0, 0


 100, 180, 233


 100, 180, 233

 77, 171, 233

 123, 189, 233

 53, 161, 233

 147, 199, 233

 30, 152, 233

 170, 208, 233

 7, 143, 233

 193, 217, 233

 0, 140, 233

 217, 227, 233

 240, 233, 235

 255, 233, 243

 255, 233, 251

 255, 233, 255

Harmonies

Analogous

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



146, 227, 211



100, 180, 233



0, 117, 235

Triad

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



100, 180, 233



185, 201, 255



255, 207, 146

Complementary

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



100, 180, 233



233, 100, 145

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, 186



100, 180, 233



247, 189, 255

Square

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



100, 180, 233



100, 168, 255



255, 176, 232



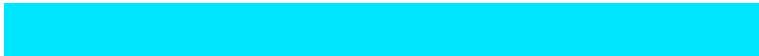
211, 255, 121

Rectangle

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



100, 180, 233



0, 121, 255



255, 176, 232



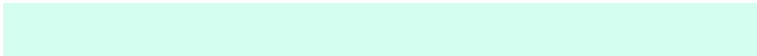
255, 188, 158

Sweetspot

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



100, 180, 233



212, 238, 255



100, 233, 186



102, 118, 128



0, 0, 0



128, 128, 128

Same Dimension

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



100, 180, 233



82, 186, 255



100, 161, 233



106, 113, 117



0, 109, 181



0, 33, 54

Inverse Universe

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



233, 100, 145



255, 82, 140



233, 124, 100



117, 106, 110



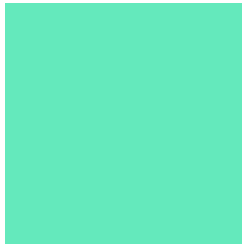
181, 0, 61



54, 0, 18

Previews

White Background



This preview shows how the RYB color 100, 180, 233 looks on a white background.

Color Contrast Check

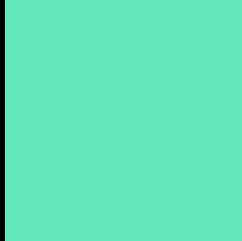
Large Text (above 18pt) WCAG AA × Fail

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, 180, 233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

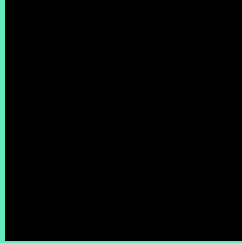
Any Text WCAG AA ✓ Pass

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 100, 180, 233 Background



This preview shows how black text looks on a background with the RYB color 100, 180, 233.

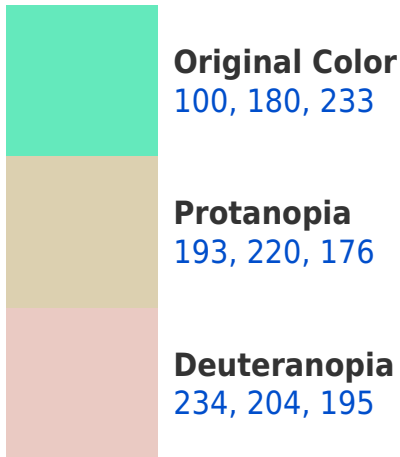



This preview shows how white text looks on a background with the RYB color 100, 180, 233.

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
118, 176, 244

Trichromacy



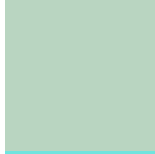
Original Color

100, 180, 233



Protanomaly

176, 213, 217



Deuteranomaly

185, 207, 213



Tritanomaly

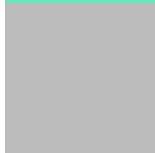
111, 171, 228

Monochromacy



Original Color

100, 180, 233



Achromatopsia

188, 188, 188



Achromatomaly

156, 185, 204

CSS Examples

Text

The CSS property to change the color of the text to RYB 100, 180, 233 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, 233, 188)` looks like.

```
.text, #text, p{  
    color:rgb(100, 233, 188)  
}
```

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, 233, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 233, 188) }
```

Border

The CSS property to change the border of an element to RYB 100, 180, 233 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, 233, 188) }
```

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

```
.border{ border-color:rgb(100, 233, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 233, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(100, 233, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(100, 233, 188); box-shadow:4px 4px 4px 4px rgb(100, 233, 188) }
```

Background

The CSS property to change the background color of an element to RYB 100, 180, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 233, 188) }
```

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

```
.background{ background-color: rgb(100,  
233, 188) }
```

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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