

Converting Colors

`RYB(100, 181, 235)`

Have a look what the booklet for
RYB(100, 181, 235) contains.

RYB(100, 181, 235)	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(100, 181, 235)

Conversions

Conversions Part 1

Format	Color
Hex	64EBBE
RGB	100, 235, 190
RGB Percent	39%, 92%, 75%
CMY	0.6078, 0.0784, 0.2549
CMYK	0.57, 0.00, 0.19, 0.08
HSL	160°, 77%, 66%
HSV	160°, 57%, 92%
XYZ	44.2581, 65.8437, 59.0917
YIQ	189.5050, -66.0150, -42.6150

Conversions

Conversions Part 2

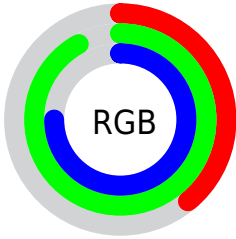
Format	Color
RYB	100, 181, 235
Decimal	6613950
CIELab	84.92, -47.44, 10.86
CIELCh	85, 48.668, 167.109
Yxy	65.8437, 0.2616, 0.3892
Android (android.graphics.Color)	4284804030 (0xFF64EBBE)
YUV	189.5050, 0.2440, -78.4959
Hunter-Lab	81.1441, -44.6437, 13.6241

Details

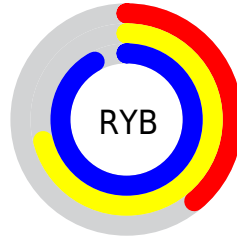
The RYB color **100, 181, 235** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **235, 100, 145**, and the grayscale version is **190, 190, 190**.

A 20% lighter version of the original color is **161, 210, 255**, and **22, 112, 178** is the 20% darker color. If you saturate the color by 10%, you get **77, 172, 235**, and if you desaturate by 10%, it is **124, 191, 235**.

Distribution



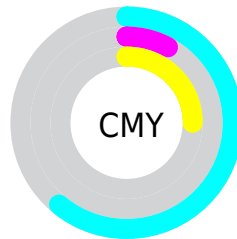
- Red (39%)
- Green (92%)
- Blue (75%)



- Red (39%)
- Yellow (71%)
- Blue (92%)



- Cyan (57%)
- Magenta (0%)
- Yellow (19%)
- Black (8%)




















- Cyan (61%)
- Magenta (8%)
- Yellow (25%)


Brightness & Saturation Gradients


These gradients show how the RYB color 100, 181, 235 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, 181, 235 by changing the saturation by 10% instead.


 100, 181, 235	 100, 181, 235
 255, 255, 255	 67, 149, 206
 161, 210, 255	 22, 112, 178
 191, 223, 255	 0, 87, 151
 221, 238, 255	 0, 73, 124
 251, 253, 255	 0, 61, 99
	 0, 48, 74
	 0, 35, 50
	 0, 26, 26
	 0, 0, 0

 100, 181, 235


 100, 181, 235

 77, 172, 235

 124, 191, 235

 53, 162, 235

 147, 200, 235

 30, 153, 235


 171, 209, 235

 6, 143, 235

 194, 219, 235

 0, 141, 235

 218, 228, 235

 241, 235, 237

 255, 235, 245

 255, 235, 253

 255, 235, 255

Harmonies

Analogous

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



148, 229, 214



100, 181, 235



0, 118, 238

Triad

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



100, 181, 235



187, 203, 255



255, 211, 147

Complementary

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



100, 181, 235



235, 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, 176, 187



100, 181, 235



250, 190, 255

Square

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



100, 181, 235



101, 169, 255



255, 178, 234



210, 255, 122

Rectangle

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



100, 181, 235



0, 122, 255



255, 178, 234



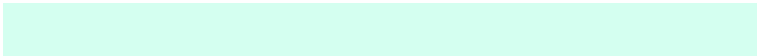
255, 189, 159

Sweetspot

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



100, 181, 235



212, 238, 255



100, 235, 190



102, 118, 128



0, 0, 0



128, 128, 128

Same Dimension

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



100, 181, 235



79, 185, 255



100, 161, 235



106, 113, 117



0, 108, 181



0, 32, 54

Inverse Universe

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



235, 100, 145



255, 79, 138



235, 128, 100



117, 106, 109



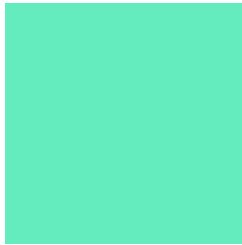
181, 0, 60



54, 0, 18

Previews

White Background



This preview shows how the RYB color 100, 181, 235 looks on a white background.

Color Contrast Check

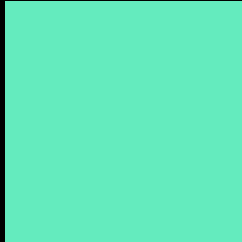
Large Text (above 18pt) WCAG AA × Fail

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, 181, 235 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

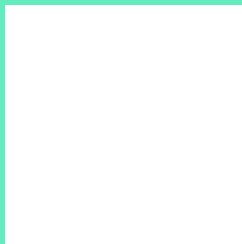
Any Text WCAG AAA ✓ Pass

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

RYB 100, 181, 235 Background



This preview shows how black text looks on a background with the RYB color 100, 181, 235.

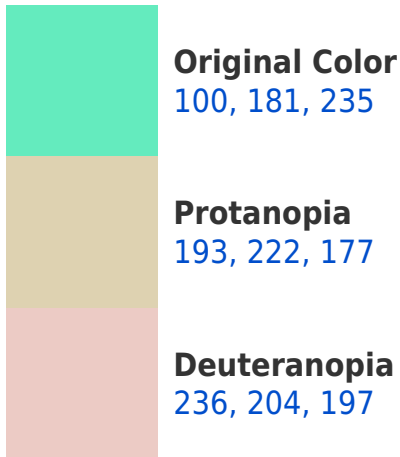


This preview shows how white text looks on a background with the RYB color 100, 181, 235.

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
119, 177, 246

Trichromacy



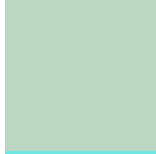
Original Color

100, 181, 235



Protanomaly

178, 215, 219



Deuteranomaly

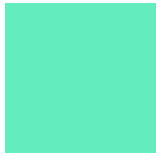
187, 209, 215



Tritanomaly

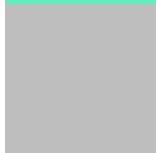
112, 172, 230

Monochromacy



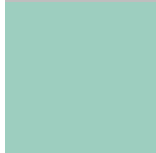
Original Color

100, 181, 235



Achromatopsia

190, 190, 190



Achromatomaly

157, 186, 206

CSS Examples

Text

The CSS property to change the color of the text to RYB 100, 181, 235 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, 235, 190)` looks like.

```
.text, #text, p{  
    color:rgb(100, 235, 190)  
}
```

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, 235, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 235, 190) }
```

Border

The CSS property to change the border of an element to RYB 100, 181, 235 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, 235, 190) }
```

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

```
.border{ border-color:rgb(100, 235, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 235, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 235, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 235, 190);  
box-shadow:4px 4px 4px 4px rgb(100, 235,  
190) }
```

Background

The CSS property to change the background color of an element to RYB 100, 181, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 235, 190) }
```

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

```
.background{ background-color: rgb(100,  
235, 190) }
```

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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