

Converting Colors

`RYB(101, 177, 235)`

Have a look what the booklet for
RYB(101, 177, 235) contains.

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Color

`RYB(101, 177, 235)`

Conversions

Conversions Part 1

Format	Color
Hex	65EBCB
RGB	101, 235, 203
RGB Percent	40%, 92%, 80%
CMY	0.6039, 0.0784, 0.2029
CMYK	0.57, 0.00, 0.14, 0.08
HSL	166°, 77%, 66%
HSV	166°, 57%, 92%
XYZ	45.8860, 66.5077, 67.0833
YIQ	191.2860, -69.5920, -38.3600

Conversions

Conversions Part 2

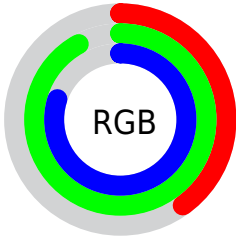
Format	Color
RYB	101, 177, 235
Decimal	6679499
CIELab	85.25, -44.20, 4.39
CIELCh	85, 44.422, 174.322
Yxy	66.5077, 0.2557, 0.3706
Android (android.graphics.Color)	4284869579 (0xFF65EBCB)
YUV	191.2860, 5.7750, -79.1808
Hunter-Lab	81.5523, -42.2820, 8.3158

Details

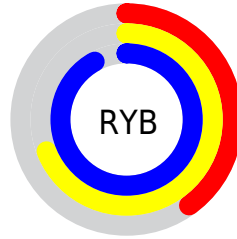
The RYB color **101, 177, 235** is a light color, and the websafe version is hex **66FFCC**. A complement of this color would be **235, 101, 133**, and the grayscale version is **191, 191, 191**.

A 20% lighter version of the original color is **162, 209, 255**, and **23, 108, 178** is the 20% darker color. If you saturate the color by 10%, you get **78, 167, 235**, and if you desaturate by 10%, it is **125, 187, 235**.

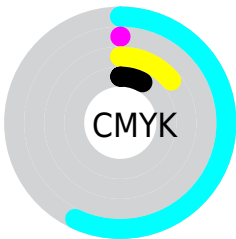
Distribution



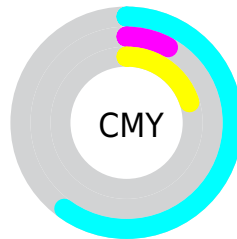
- Red (40%)
- Green (92%)
- Blue (80%)



- Red (40%)
- Yellow (69%)
- Blue (92%)



- Cyan (57%)
- Magenta (0%)
- Yellow (14%)
- Black (8%)




- Cyan (60%)
- Magenta (8%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the RYB color 101, 177, 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 101, 177, 235 by changing the saturation by 10% instead.

 101, 177, 235


255, 255, 255


 162, 209, 255

 192, 224, 255

 222, 239, 255

253, 254, 255

 101, 177, 235

 68, 145, 206

 23, 108, 178

 0, 83, 151

 0, 70, 125


 0, 56, 99


 0, 43, 74


 0, 31, 50

 0, 21, 27


 0, 0, 0

 101, 177, 235


 101, 177, 235

 78, 167, 235

 125, 187, 235

 54, 157, 235


 148, 197, 235

 31, 147, 235

 172, 208, 235

 7, 136, 235

 195, 218, 235

 0, 133, 235

 219, 228, 235

 242, 235, 237

 255, 235, 242

 255, 235, 248

 255, 235, 253

Harmonies

Analogous

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



157, 224, 230



101, 177, 235



39, 140, 246

Triad

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



101, 177, 235



206, 205, 255



255, 229, 146

Complementary

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



101, 177, 235



235, 101, 133

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, 182, 181



101, 177, 235



255, 190, 255

Square

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



101, 177, 235



138, 186, 255



255, 181, 223



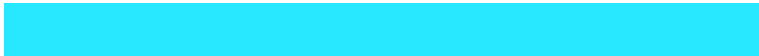
189, 248, 129

Rectangle

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



101, 177, 235



39, 141, 255



255, 181, 223



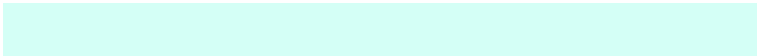
255, 206, 156

Sweetspot

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



101, 177, 235



212, 236, 255



101, 235, 201



102, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



101, 177, 235



82, 180, 255



101, 159, 235



106, 112, 117



0, 103, 181



0, 31, 54

Inverse Universe

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



235, 101, 133



255, 82, 123



235, 147, 101



117, 106, 108



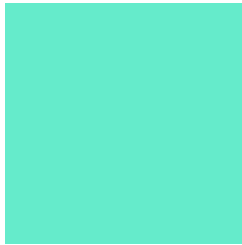
181, 0, 43



54, 0, 13

Previews

White Background



This preview shows how the RYB color 101, 177, 235 looks on a white background.

Color Contrast Check

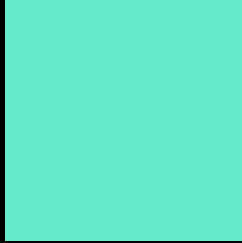
Large Text (above 18pt) WCAG AA × Fail

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 101, 177, 235 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

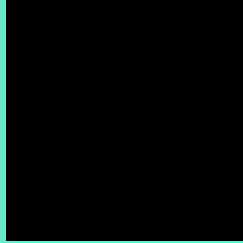
Any Text WCAG AA ✓ Pass

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 101, 177, 235 Background



This preview shows how black text looks on a background with the RYB color 101, 177, 235.

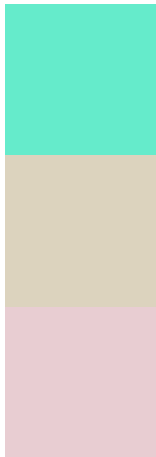


This preview shows how white text looks on a background with the RYB color 101, 177, 235.

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](#).

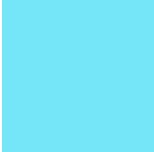
Dichromacy



Original Color
101, 177, 235

Protanopia
203, 220, 190

Deuteranopia
232, 205, 210



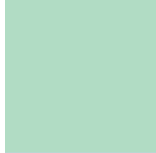
Tritanopia
116, 177, 247

Trichromacy



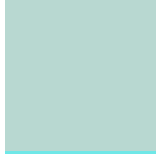
Original Color

101, 177, 235



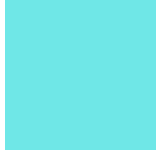
Protanomaly

177, 207, 220



Deuteranomaly

184, 202, 216



Tritanomaly

111, 171, 231

Monochromacy



Original Color

101, 177, 235



Achromatopsia

191, 191, 191



Achromatomaly

158, 186, 207

CSS Examples

Text

The CSS property to change the color of the text to RYB 101, 177, 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(101, 235, 203)` looks like.

```
.text, #text, p{  
    color:rgb(101, 235, 203)  
}
```

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(101, 235, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(101, 235, 203) }
```

Border

The CSS property to change the border of an element to RYB 101, 177, 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(101, 235, 203) }
```

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

```
.border{ border-color:rgb(101, 235, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(101, 235, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(101, 235, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(101, 235, 203);  
box-shadow:4px 4px 4px 4px rgb(101, 235,  
203) }
```

Background

The CSS property to change the background color of an element to RYB 101, 177, 235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(101, 235, 203) }
```

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

```
.background{ background-color: rgb(101,  
235, 203) }
```

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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