

Converting Colors

`RYB(112, 177, 233)`

Have a look what the booklet for
RYB(112, 177, 233) contains.

RYB(112, 177, 233)	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(112, 177, 233)

Conversions

Conversions Part 1

Format	Color
Hex	70E9D8
RGB	112, 233, 216
RGB Percent	44%, 91%, 85%
CMY	0.5608, 0.0863, 0.1520
CMYK	0.52, 0.00, 0.07, 0.09
HSL	172°, 73%, 68%
HSV	172°, 52%, 91%
XYZ	48.2475, 66.6932, 75.4629
YIQ	194.8830, -66.6590, -30.9390

Conversions

Conversions Part 2

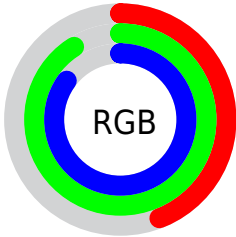
Format	Color
RYB	112, 177, 233
Decimal	7399896
CIELab	85.35, -37.99, -2.25
CIELCh	85, 38.059, 183.394
Yxy	66.6932, 0.2534, 0.3503
Android (android.graphics.Color)	4285589976 (0xFF70E9D8)
YUV	194.8830, 10.4107, -72.6884
Hunter-Lab	81.6659, -37.4590, 2.3796

Details

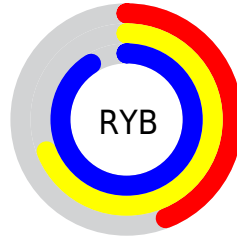
The RYB color **112, 177, 233** is a light color, and the websafe version is hex **66FFFF**. A complement of this color would be **233, 112, 129**, and the grayscale version is **195, 195, 195**.

A 20% lighter version of the original color is **172, 214, 255**, and **45, 115, 177** is the 20% darker color. If you saturate the color by 10%, you get **89, 166, 233**, and if you desaturate by 10%, it is **135, 188, 233**.

Distribution



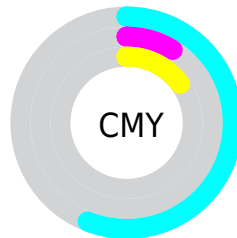
- Red (44%)
- Green (91%)
- Blue (85%)



- Red (44%)
- Yellow (69%)
- Blue (91%)



- Cyan (52%)
- Magenta (0%)
- Yellow (7%)
- Black (9%)




- Cyan (56%)
- Magenta (9%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 112, 177, 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 112, 177, 233 by changing the saturation by 10% instead.


 112, 177, 233


255, 255, 255


 172, 214, 255

 201, 228, 255

 231, 243, 255

 112, 177, 233


 81, 147, 205

 45, 115, 177


 0, 79, 150

 0, 65, 123

 0, 52, 98

 0, 39, 73

 0, 27, 50

 0, 16, 28

 0, 0, 0

■ 112, 177, 233

■ 112, 177, 233

■ 89, 166, 233

■ 135, 188, 233

■ 65, 155, 233

■ 159, 199, 233

■ 42, 144, 233

■ 182, 209, 233

■ 19, 134, 233

■ 205, 220, 233

■ 0, 125, 233

■ 229, 231, 233

■ 252, 233, 236

■ 255, 233, 239

■ 255, 233, 242

■ 255, 233, 245

Harmonies

Analogous

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



153, 210, 230



112, 177, 233



91, 166, 252

Triad

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



112, 177, 233



223, 203, 255



255, 245, 150

Complementary

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



112, 177, 233



233, 112, 129

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, 193, 175



112, 177, 233



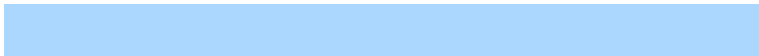
255, 191, 246

Square

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



112, 177, 233



171, 200, 255



255, 186, 210



170, 234, 141

Rectangle

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



112, 177, 233



104, 172, 255



255, 186, 210



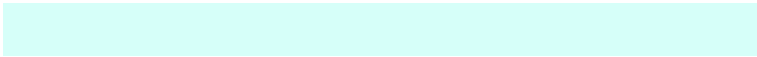
255, 222, 157

Sweetspot

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



112, 177, 233



214, 236, 255



112, 233, 215



103, 117, 128



0, 0, 0



128, 128, 128

Same Dimension

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



112, 177, 233



97, 182, 255



112, 160, 233



106, 112, 117



0, 97, 181



0, 29, 54

Inverse Universe

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



233, 112, 129



255, 97, 119



233, 176, 112



117, 106, 107



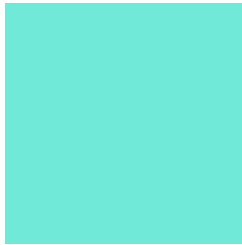
181, 0, 25



54, 0, 7

Previews

White Background



This preview shows how the RYB color 112, 177, 233 looks on a white background.

Color Contrast Check

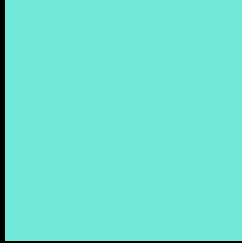
Large Text (above 18pt) WCAG AA × Fail

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 112, 177, 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

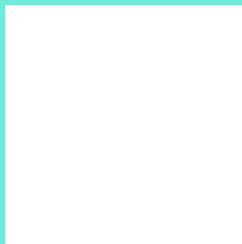
Any Text WCAG AAA ✓ Pass

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

RYB 112, 177, 233 Background



This preview shows how black text looks on a background with the RYB color 112, 177, 233.

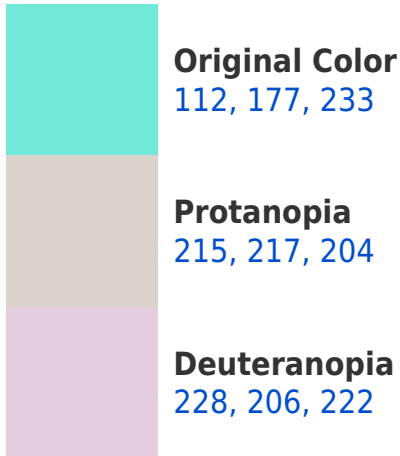



This preview shows how white text looks on a background with the RYB color 112, 177, 233.

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
122, 179, 247

Trichromacy



Original Color

112, 177, 233



Protanomaly

179, 202, 219



Deuteranomaly

186, 202, 220



Tritanomaly

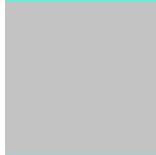
118, 175, 236

Monochromacy



Original Color

112, 177, 233



Achromatopsia

195, 195, 195



Achromatomaly

165, 189, 209

CSS Examples

Text

The CSS property to change the color of the text to RYB 112, 177, 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(112, 233, 216)` looks like.

```
.text, #text, p{  
    color:rgb(112, 233, 216)  
}
```

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(112, 233, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(112, 233, 216) }
```

Border

The CSS property to change the border of an element to RYB 112, 177, 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(112, 233, 216) }
```

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

```
.border{ border-color:rgb(112, 233, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(112, 233, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(112, 233, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(112, 233, 216);  
box-shadow:4px 4px 4px 4px rgb(112, 233,  
216) }
```

Background

The CSS property to change the background color of an element to RYB 112, 177, 233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(112, 233, 216) }
```

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

```
.background{ background-color: rgb(112,  
233, 216) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor