

Converting Colors

`RYB(113, 176, 245)`

Have a look what the booklet for
RYB(113, 176, 245) contains.

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Color

R_YB(113, 176, 245)

Conversions

Conversions Part 1

Format	Color
Hex	71EAF5
RGB	113, 234, 245
RGB Percent	44%, 92%, 96%
CMY	0.5569, 0.0842, 0.0392
CMYK	0.54, 0.05, 0.00, 0.04
HSL	185°, 87%, 70%
HSV	185°, 54%, 96%
XYZ	52.5783, 68.6770, 96.8710
YIQ	199.0750, -75.6470, -22.2310

Conversions

Conversions Part 2

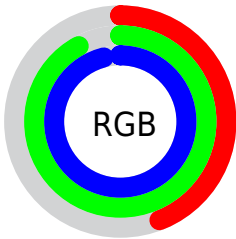
Format	Color
R _Y B	113, 176, 245
Decimal	7465717
CIE Lab	86.34, -30.69, -15.90
CIE LCh	86, 34.563, 207.393
Yxy	68.6770, 0.2410, 0.3148
Android (android.graphics.Color)	4285655797 (0xFF71EAF5)
YUV	199.0750, 22.6410, -75.4878
Hunter-Lab	82.8716, -31.7749, -11.2957

Details

The RYB color **113, 176, 245** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **245, 125, 113**, and the grayscale version is **199, 199, 199**.

A 20% lighter version of the original color is **174, 215, 255**, and **42, 113, 189** is the 20% darker color. If you saturate the color by 10%, you get **89, 163, 245**, and if you desaturate by 10%, it is **138, 189, 245**.

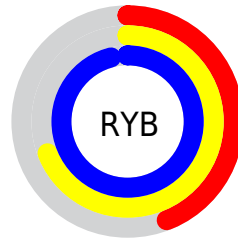
Distribution



Red (44%)

Green (92%)

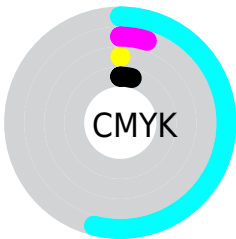
Blue (96%)



Red (44%)

Yellow (69%)

Blue (96%)

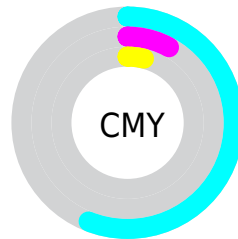


Cyan (54%)

Magenta (5%)

Yellow (0%)

Black (4%)



Cyan (56%)

Magenta (8%)

Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 113, 176, 245 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 113, 176, 245 by changing the saturation by 10% instead.


 113, 176, 245


255, 255, 255


 174, 215, 255

 204, 230, 255

 235, 245, 255

 113, 176, 245

 81, 146, 217

 42, 112, 189


 0, 78, 162

 0, 65, 136

 0, 52, 110

 0, 40, 86


 0, 28, 63


 0, 18, 41


 0, 1, 20

 113, 176, 245


 113, 176, 245

 89, 163, 245


 138, 189, 245


 64, 150, 245

 162, 202, 245

 40, 138, 245

 187, 215, 245

 15, 125, 245

 211, 227, 245

 0, 117, 245

 236, 240, 245

 255, 246, 245

 255, 249, 245

 252, 255, 245

 248, 255, 245

Harmonies

Analogous

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



134, 190, 234



113, 176, 245



127, 184, 255

Triad

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



113, 176, 245



255, 198, 252



194, 242, 151

Complementary

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



113, 176, 245



245, 125, 113

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, 232, 162



113, 176, 245



255, 192, 220

Square

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



113, 176, 245



217, 209, 255



255, 195, 187



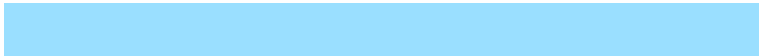
157, 223, 172

Rectangle

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



113, 176, 245



154, 195, 255



255, 195, 187



229, 252, 153

Sweetspot

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



113, 176, 245



214, 233, 255



113, 235, 245



103, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



113, 176, 245



89, 168, 255



113, 152, 245



110, 116, 122



0, 89, 186



0, 28, 59

Inverse Universe

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



245, 113, 234



255, 89, 241



207, 245, 113



122, 110, 121



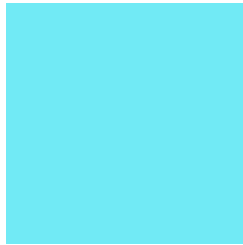
186, 0, 170



59, 0, 54

Previews

White Background



This preview shows how the RYB color 113, 176, 245 looks on a white background.

Color Contrast Check

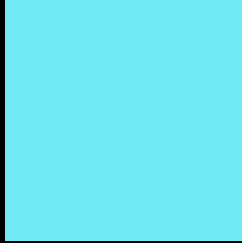
Large Text (above 18pt) WCAG AA × Fail

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 113, 176, 245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

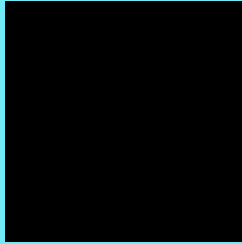
Any Text WCAG AA ✓ Pass

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 113, 176, 245 Background



This preview shows how black text looks on a background with the RYB color 113, 176, 245.

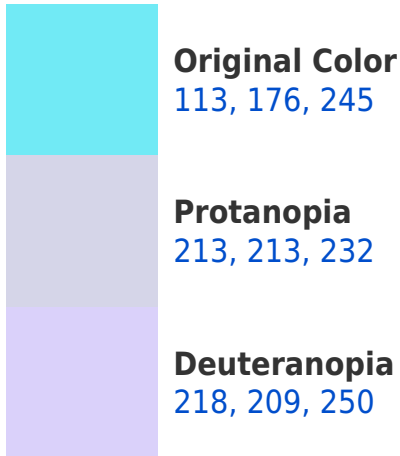



This preview shows how white text looks on a background with the RYB color 113, 176, 245.

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
115, 178, 251

Trichromacy



Original Color

113, 176, 245



Protanomaly

177, 202, 237



Deuteranomaly

180, 204, 248



Tritanomaly

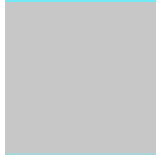
114, 177, 249

Monochromacy



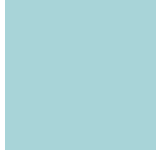
Original Color

113, 176, 245



Achromatopsia

199, 199, 199



Achromatomaly

168, 191, 216

CSS Examples

Text

The CSS property to change the color of the text to RYB 113, 176, 245 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(113, 234, 245)` looks like.

```
.text, #text, p{  
    color:rgb(113, 234, 245)  
}
```

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(113, 234, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 234, 245) }
```

Border

The CSS property to change the border of an element to RYB 113, 176, 245 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(113, 234, 245) }
```

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

```
.border{ border-color:rgb(113, 234, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(113, 234, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 234, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 234, 245);  
box-shadow:4px 4px 4px 4px rgb(113, 234,  
245) }
```

Background

The CSS property to change the background color of an element to RYB 113, 176, 245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 234, 245) }
```

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

```
.background{ background-color: rgb(113,  
234, 245) }
```

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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