

Converting Colors

`RYB(117, 180, 245)`

Have a look what the booklet for RYB(117, 180, 245) contains.

RYB(117, 180, 245)	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(117, 180, 245)

Conversions

Conversions Part 1

Format	Color
Hex	75F1F5
RGB	117, 241, 245
RGB Percent	46%, 95%, 96%
CMY	0.5412, 0.0547, 0.0392
CMYK	0.52, 0.02, 0.00, 0.04
HSL	182°, 86%, 71%
HSV	182°, 52%, 96%
XYZ	55.2911, 73.3215, 97.6245
YIQ	204.3800, -75.1880, -25.0440

Conversions

Conversions Part 2

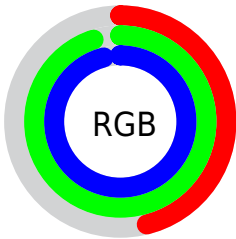
Format	Color
R_{YB}	117, 180, 245
Decimal	7729653
CIE _{Lab}	88.60, -33.48, -12.51
CIE _{LCh}	89, 35.736, 200.488
Yxy	73.3215, 0.2444, 0.3241
Android (android.graphics.Color)	4285919733 (0xFF75F1F5)
YUV	204.3800, 20.0257, -76.6323
Hunter-Lab	85.6280, -34.5893, -7.6570

Details

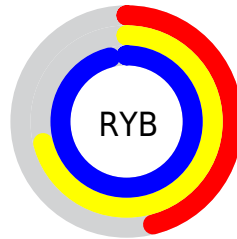
The RYB color **117, 180, 245** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **245, 121, 117**, and the grayscale version is **204, 204, 204**.

A 20% lighter version of the original color is **178, 217, 255**, and **48, 117, 189** is the 20% darker color. If you saturate the color by 10%, you get **93, 168, 245**, and if you desaturate by 10%, it is **142, 193, 245**.

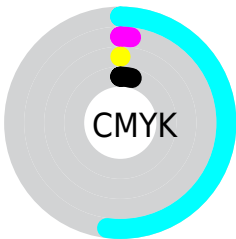
Distribution



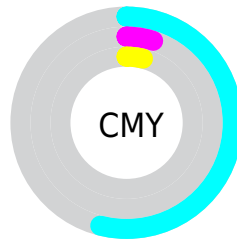
- Red (46%)
- Green (95%)
- Blue (96%)



- Red (46%)
- Yellow (71%)
- Blue (96%)



- Cyan (52%)
- Magenta (2%)
- Yellow (0%)
- Black (4%)



- Cyan (54%)
- Magenta (5%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the RYB color 117, 180, 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 117, 180, 245 by changing the saturation by 10% instead.

 117, 180, 245


255, 255, 255


 178, 217, 255

 208, 232, 255

 239, 247, 255

 117, 180, 245

 85, 150, 217


 48, 117, 189


 0, 80, 162

 0, 67, 136

 0, 54, 110

 0, 41, 86

 0, 30, 63

 0, 19, 41

 0, 1, 21

■ 117, 180, 245

■ 117, 180, 245

■ 93, 168, 245

■ 142, 193, 245

■ 68, 155, 245

■ 166, 205, 245

■ 44, 143, 245

■ 191, 217, 245

■ 19, 130, 245

■ 215, 230, 245

■ 0, 120, 245

■ 240, 243, 245

■ 255, 246, 245

■ 255, 248, 245

■ 255, 249, 245

Harmonies

Analogous

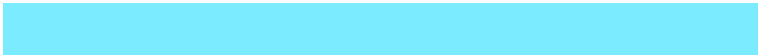
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



145, 202, 241



117, 180, 245



123, 184, 255

Triad

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



117, 180, 245



255, 206, 255



218, 255, 156

Complementary

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



117, 180, 245



245, 121, 117

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, 228, 171



117, 180, 245



255, 198, 235

Square

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



117, 180, 245



212, 217, 255



255, 198, 200



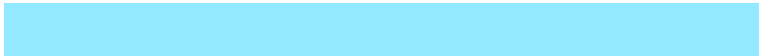
158, 228, 164

Rectangle

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



117, 180, 245



147, 195, 255



255, 198, 200



234, 255, 159

Sweetspot

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



117, 180, 245



214, 234, 255



117, 243, 245



103, 115, 128



0, 0, 0



128, 128, 128

Same Dimension

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



117, 180, 245



94, 173, 255



117, 159, 245



110, 116, 122



0, 91, 186



0, 29, 59

Inverse Universe

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



245, 117, 241



255, 94, 250



237, 245, 117



122, 110, 122



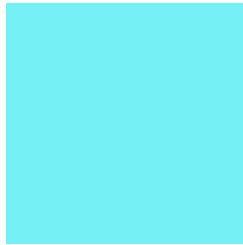
186, 0, 180



59, 0, 57

Previews

White Background



This preview shows how the RYB color 117, 180, 245 looks on a white background.

Color Contrast Check

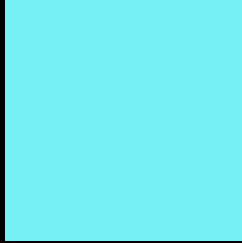
Large Text (above 18pt) WCAG AA × Fail

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 117, 180, 245 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

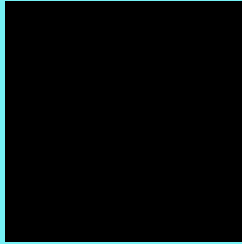
Any Text WCAG AA ✓ Pass

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 117, 180, 245 Background



This preview shows how black text looks on a background with the RYB color 117, 180, 245.

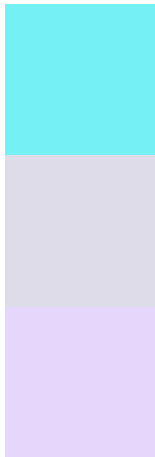


This preview shows how white text looks on a background with the RYB color 117, 180, 245.

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](#).

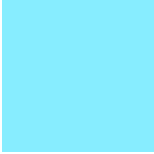
Dichromacy



Original Color
117, 180, 245

Protanopia
222, 220, 232

Deuteranopia
228, 215, 251



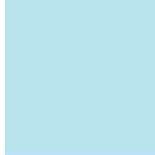
Tritanopia
135, 190, 255

Trichromacy



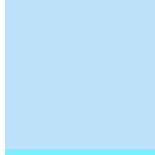
Original Color

117, 180, 245



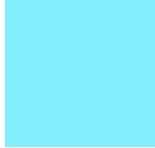
Protanomaly

184, 208, 237



Deuteranomaly

188, 211, 249



Tritanomaly

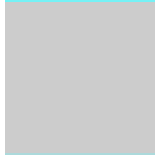
128, 186, 251

Monochromacy



Original Color

117, 180, 245



Achromatopsia

204, 204, 204



Achromatomaly

172, 195, 219

CSS Examples

Text

The CSS property to change the color of the text to RYB 117, 180, 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(117, 241, 245)` looks like.

```
.text, #text, p{  
    color:rgb(117, 241, 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(117, 241, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 241, 245) }
```

Border

The CSS property to change the border of an element to RYB 117, 180, 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(117, 241, 245) }
```

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

```
.border{ border-color:rgb(117, 241, 245) }
```

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

Here you see how a box with a 4 pixel rgb(117, 241, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 241, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 241, 245);  
box-shadow:4px 4px 4px 4px rgb(117, 241,  
245) }
```

Background

The CSS property to change the background color of an element to RYB 117, 180, 245 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 241, 245) }
```

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

```
.background{ background-color: rgb(117,  
241, 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](#).

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