

Converting Colors

`RYB(117, 193, 237)`

Have a look what the booklet for
RYB(117, 193, 237) contains.

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Color

R_YB(117, 193, 237)

Conversions

Conversions Part 1

Format	Color
Hex	75EDBA
RGB	117, 237, 186
RGB Percent	46%, 93%, 73%
CMY	0.5412, 0.0706, 0.2687
CMYK	0.51, 0.00, 0.21, 0.07
HSL	155°, 77%, 69%
HSV	155°, 51%, 93%
XYZ	46.5337, 67.9156, 57.3753
YIQ	195.3060, -55.1490, -41.3010

Conversions

Conversions Part 2

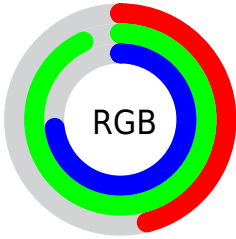
Format	Color
RYB	117, 193, 237
Decimal	7728570
CIELab	85.96, -45.43, 14.26
CIELCh	86, 47.611, 162.573
Yxy	67.9156, 0.2708, 0.3953
Android (android.graphics.Color)	4285918650 (0xFF75EDBA)
YUV	195.3060, -4.5879, -68.6744
Hunter-Lab	82.4109, -43.4284, 16.4094

Details

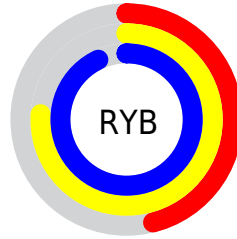
The RYB color **117, 193, 237** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **237, 117, 168**, and the grayscale version is **195, 195, 195**.

A 20% lighter version of the original color is **176, 219, 255**, and **55, 132, 180** is the 20% darker color. If you saturate the color by 10%, you get **93, 184, 237**, and if you desaturate by 10%, it is **141, 202, 237**.

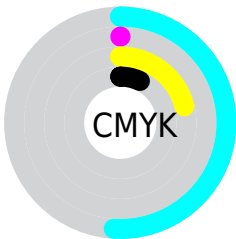
Distribution



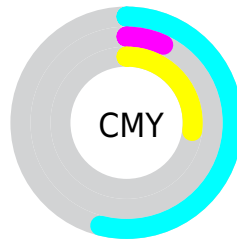
- Red (46%)
- Green (93%)
- Blue (73%)



- Red (46%)
- Yellow (76%)
- Blue (93%)



- Cyan (51%)
- Magenta (0%)
- Yellow (21%)
- Black (7%)



- Cyan (54%)
- Magenta (7%)
- Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the RYB color 117, 193, 237 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, 193, 237 by changing the saturation by 10% instead.

 117, 193, 237


255, 255, 255


 176, 219, 255

 205, 230, 255

 235, 245, 255

 117, 193, 237

 87, 163, 208

 55, 132, 180

 1, 90, 153

 0, 76, 126

 0, 63, 101

 0, 51, 76

 0, 39, 52

 0, 29, 29

 0, 0, 0

■ 117, 193, 237

■ 117, 193, 237

■ 93, 184, 237

■ 141, 202, 237

■ 70, 176, 237

■ 164, 210, 237

■ 46, 167, 237

■ 188, 219, 237

■ 22, 158, 237

■ 212, 228, 237

■ 0, 150, 237

■ 235, 236, 237

■ 255, 237, 246

■ 255, 237, 255

Harmonies

Analogous

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



147, 230, 201



117, 193, 237



32, 137, 239

Triad

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



117, 193, 237



180, 203, 255



255, 203, 156

Complementary

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



117, 193, 237



237, 117, 168

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, 180, 197



117, 193, 237



244, 196, 255

Square

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



117, 193, 237



96, 168, 255



255, 183, 243



218, 255, 129

Rectangle

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



117, 193, 237



0, 123, 255



255, 183, 243



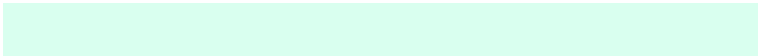
255, 187, 169

Sweetspot

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



117, 193, 237



217, 241, 255



117, 237, 185



105, 120, 128



0, 0, 0



128, 128, 128

Same Dimension

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



117, 193, 237



99, 198, 255



117, 175, 237



106, 113, 117



0, 115, 181



0, 34, 54

Inverse Universe

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



237, 117, 168



255, 99, 165



237, 126, 117



117, 106, 111



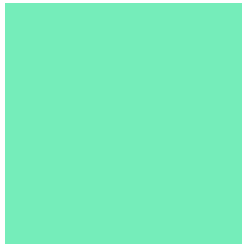
181, 0, 76



54, 0, 23

Previews

White Background



This preview shows how the RYB color 117, 193, 237 looks on a white background.

Color Contrast Check

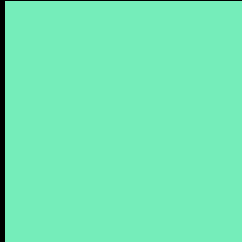
Large Text (above 18pt) WCAG AA × Fail

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, 193, 237 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

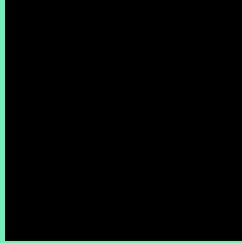
Any Text WCAG AA ✓ Pass

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, 193, 237 Background



This preview shows how black text looks on a background with the RYB color 117, 193, 237.

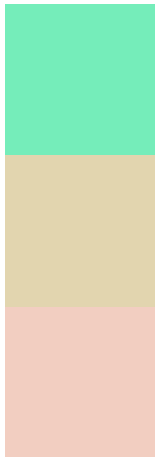


This preview shows how white text looks on a background with the RYB color 117, 193, 237.

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, 193, 237

Protanopia
192, 226, 175

Deuteranopia
242, 211, 193



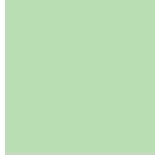
Tritanopia
134, 186, 247

Trichromacy



Original Color

117, 193, 237



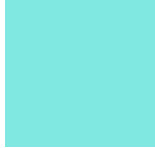
Protanomaly

179, 222, 215



Deuteranomaly

191, 217, 211



Tritanomaly

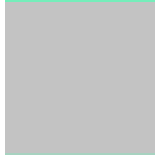
128, 182, 232

Monochromacy



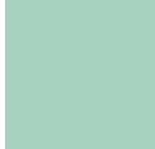
Original Color

117, 193, 237



Achromatopsia

195, 195, 195



Achromatomaly

167, 194, 210

CSS Examples

Text

The CSS property to change the color of the text to RYB 117, 193, 237 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, 237, 186)` looks like.

```
.text, #text, p{  
    color:rgb(117, 237, 186)  
}
```

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, 237, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 237, 186) }
```

Border

The CSS property to change the border of an element to RYB 117, 193, 237 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, 237, 186) }
```

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

```
.border{ border-color:rgb(117, 237, 186) }
```

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

Here you see how a box with a 4 pixel rgb(117, 237, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 237, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 237, 186);  
box-shadow:4px 4px 4px 4px rgb(117, 237,  
186) }
```

Background

The CSS property to change the background color of an element to RYB 117, 193, 237 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 237, 186) }
```

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

```
.background{ background-color: rgb(117,  
237, 186) }
```

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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