

Converting Colors

`RYB(117, 139, 217)`

Have a look what the booklet for
RYB(117, 139, 217) contains.

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Color

R_YB(117, 139, 217)

Conversions

Conversions Part 1

Format	Color
Hex	7591D9
RGB	117, 145, 217
RGB Percent	46%, 57%, 85%
CMY	0.5412, 0.4306, 0.1490
CMYK	0.46, 0.33, 0.00, 0.15
HSL	223°, 57%, 65%
HSV	223°, 46%, 85%
XYZ	30.0173, 29.1052, 69.6814
YIQ	144.8360, -39.8000, 16.4560

Conversions

Conversions Part 2

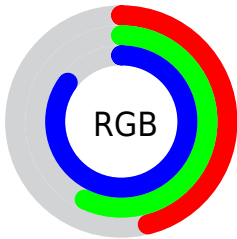
Format	Color
RYB	117, 139, 217
Decimal	7705049
CIELab	60.87, 9.14, -39.81
CIELCh	61, 40.846, 282.934
Yxy	29.1052, 0.2330, 0.2260
Android (android.graphics.Color)	4285895129 (0xFF7591D9)
YUV	144.8360, 35.5769, -24.4122
Hunter-Lab	53.9492, 4.9060, -38.8151

Details

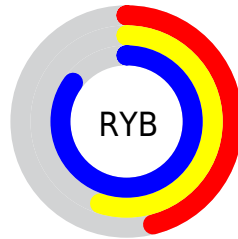
The RYB color **117, 139, 217** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **156, 217, 117**, and the grayscale version is **145, 145, 145**.

A 20% lighter version of the original color is **173, 193, 255**, and **61, 86, 162** is the 20% darker color. If you saturate the color by 10%, you get **95, 122, 217**, and if you desaturate by 10%, it is **139, 156, 217**.

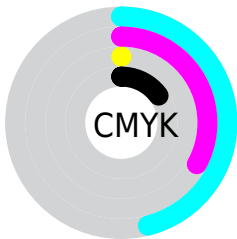
Distribution



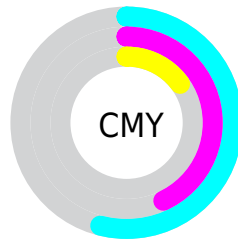
- Red (46%)
- Green (57%)
- Blue (85%)



- Red (46%)
- Yellow (55%)
- Blue (85%)



- Cyan (46%)
- Magenta (33%)
- Yellow (0%)
- Black (15%)




- Cyan (54%)
- Magenta (43%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the RYB color 117, 139, 217 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, 139, 217 by changing the saturation by 10% instead.

 117, 139, 217


255, 255, 255


 173, 193, 255

 202, 219, 255

 231, 243, 255

 117, 139, 217

 89, 113, 189

 61, 86, 162

 28, 59, 135

 0, 34, 110

 0, 22, 85

 0, 2, 61

 0, 3, 39

 0, 1, 16

 0, 0, 0

■ 117, 139, 217

■ 117, 139, 217

■ 95, 122, 217

■ 139, 156, 217

■ 74, 105, 217

■ 160, 172, 217

■ 52, 88, 217

■ 182, 190, 217

■ 30, 71, 217

■ 204, 207, 217

■ 9, 54, 217

■ 222, 226, 217

■ 0, 48, 217

■ 228, 247, 217

■ 218, 255, 217

■ 217, 255, 217

Harmonies

Analogous

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



29, 104, 215



117, 139, 217



170, 131, 200

Triad

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



117, 139, 217



209, 133, 99



63, 126, 164

Complementary

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



117, 139, 217



156, 217, 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.



92, 159, 137



117, 139, 217



167, 187, 78

Square

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



117, 139, 217



216, 118, 132



79, 154, 75



0, 84, 166

Rectangle

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



117, 139, 217



195, 123, 180



79, 154, 75



82, 141, 163

Sweetspot

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



117, 139, 217



219, 227, 255



117, 175, 217



106, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



117, 139, 217



115, 146, 255



139, 117, 217



99, 101, 110



0, 38, 173



0, 10, 46

Inverse Universe

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



217, 117, 145



255, 115, 154



117, 217, 139



110, 99, 102



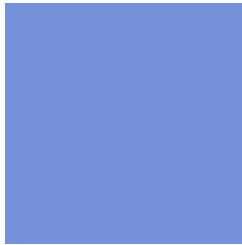
173, 0, 49



46, 0, 13

Previews

White Background



This preview shows how the RYB color 117, 139, 217 looks on a white background.

Color Contrast Check

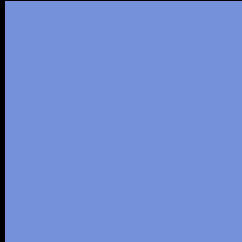
Large Text (above 18pt) WCAG AA ✓ Pass

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, 139, 217 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 × Fail

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

R Y B 117, 139, 217 Background



This preview shows how black text looks on a background with the RYB color 117, 139, 217.

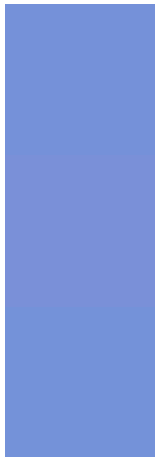


This preview shows how white text looks on a background with the RYB color 117, 139, 217.

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, 139, 217

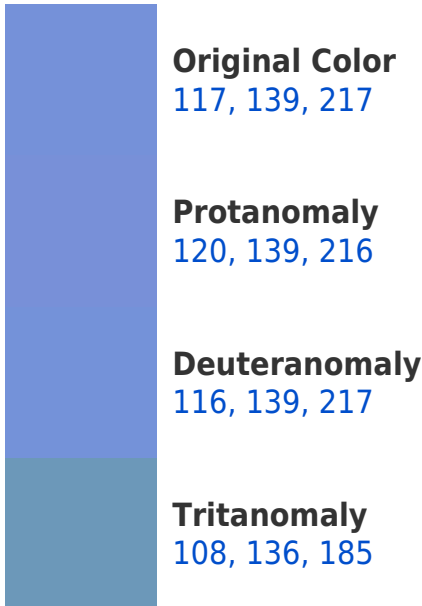
Protanopia
122, 140, 216

Deuteranopia
116, 139, 217

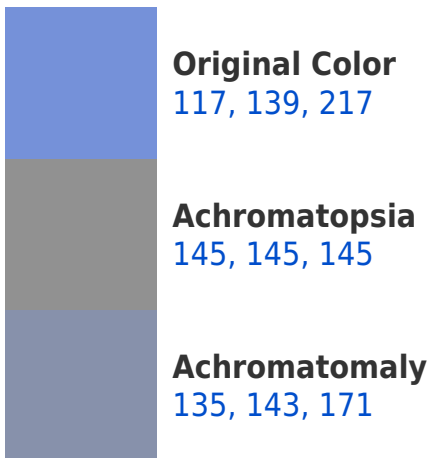


Tritanopia
103, 132, 167

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 117, 139, 217 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, 145, 217)` looks like.

```
.text, #text, p{  
    color:rgb(117, 145, 217)  
}
```

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, 145, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 145, 217) }
```

Border

The CSS property to change the border of an element to RYB 117, 139, 217 is called "border". The border property can be set on classes, ids or directly on the HTML element.

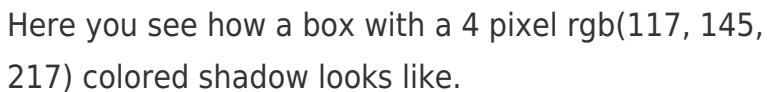
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(117, 145, 217) }
```

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

```
.border{ border-color:rgb(117, 145, 217) }
```

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



Here you see how a box with a 4 pixel `rgb(117, 145, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 145, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 145, 217);  
box-shadow:4px 4px 4px 4px rgb(117, 145,  
217) }
```

Background

The CSS property to change the background color of an element to RYB 117, 139, 217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 145, 217) }
```

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

```
.background{ background-color: rgb(117,  
145, 217) }
```

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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