

Converting Colors

`RYB(117, 135, 163)`

Have a look what the booklet for
RYB(117, 135, 163) contains.

RYB(117, 135, 163)	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, 135, 163)

Conversions

Conversions Part 1

Format	Color
Hex	7593A3
RGB	117, 147, 163
RGB Percent	46%, 58%, 64%
CMY	0.5412, 0.4252, 0.3608
CMYK	0.28, 0.10, 0.00, 0.36
HSL	201°, 20%, 55%
HSV	201°, 28%, 64%
XYZ	24.3142, 27.1606, 38.6114
YIQ	139.8540, -23.0160, -1.3840

Conversions

Conversions Part 2

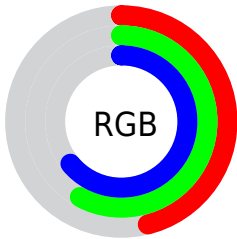
Format	Color
RYB	117, 135, 163
Decimal	7705507
CIELab	59.12, -6.40, -12.04
CIElCh	59, 13.637, 241.999
Yxy	27.1606, 0.2699, 0.3015
Android (android.graphics.Color)	4285895587 (0xFF7593A3)
YUV	139.8540, 11.4110, -20.0430
Hunter-Lab	52.1159, -7.9253, -7.4454

Details

The RYB color **117, 135, 163** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **163, 142, 117**, and the grayscale version is **140, 140, 140**.

A 20% lighter version of the original color is **170, 189, 218**, and **67, 84, 111** is the 20% darker color. If you saturate the color by 10%, you get **101, 125, 163**, and if you desaturate by 10%, it is **133, 145, 163**.

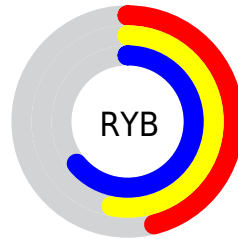
Distribution



Red (46%)

Green (58%)

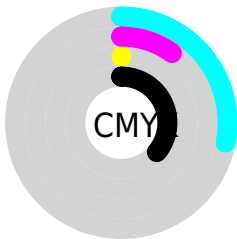
Blue (64%)



Red (46%)

Yellow (53%)

Blue (64%)

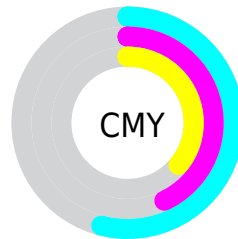


Cyan (28%)

Magenta (10%)

Yellow (0%)

Black (36%)



Cyan (54%)

Magenta (43%)

Yellow (36%)

Brightness & Saturation Gradients

These gradients show how the RYB color 117, 135, 163 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, 135, 163 by changing the saturation by 10% instead.

 117, 135, 163


255, 255, 255

 170, 188, 218


 198, 217, 246

 226, 241, 255

 117, 135, 163

 92, 110, 137

 67, 84, 111

 43, 60, 87

 19, 37, 64

 0, 17, 42

 0, 1, 22

 0, 0, 0

 117, 135, 163

 101, 125, 163

 117, 135, 163

 133, 145, 163

■ 84, 115, 163

■ 150, 155, 163

■ 68, 105, 163

■ 166, 165, 163

■ 52, 95, 163

■ 182, 174, 163

■ 36, 85, 163

■ 199, 183, 163

■ 19, 76, 163

■ 215, 191, 163

■ 3, 66, 163

■ 231, 200, 163

■ 0, 64, 163

■ 247, 210, 163

■ 255, 222, 163

Harmonies

Analogous

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



111, 131, 154



117, 135, 163



130, 140, 166

Triad

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



117, 135, 163



166, 134, 142



122, 145, 129

Complementary

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



117, 135, 163



163, 142, 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.



132, 151, 119



117, 135, 163



167, 136, 130

Square

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



117, 135, 163



159, 136, 154



162, 149, 122



124, 143, 148

Rectangle

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



117, 135, 163



140, 140, 164



162, 149, 122



120, 144, 122

Sweetspot

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



117, 135, 163



195, 202, 212



117, 151, 163



96, 100, 107



235, 235, 235



107, 107, 107

Same Dimension

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



117, 135, 163



140, 168, 212



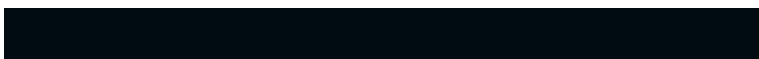
117, 123, 163



73, 77, 82



0, 57, 145



0, 7, 18

Inverse Universe

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



163, 117, 147



212, 140, 186



125, 163, 117



82, 73, 79



145, 0, 93



18, 0, 11

Previews

White Background



This preview shows how the RYB color 117, 135, 163 looks on a white background.

Color Contrast Check

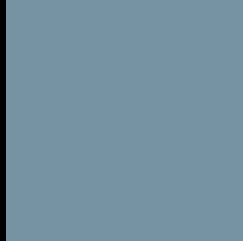
Large Text (above 18pt) WCAG AA ✓ Pass

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, 135, 163 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

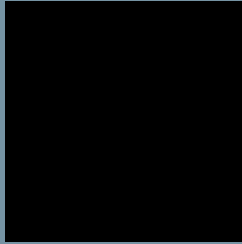
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

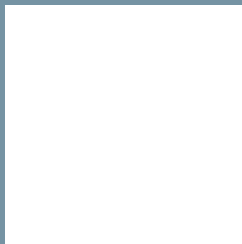
Any Text WCAG AAA × Fail

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

RYB 117, 135, 163 Background



This preview shows how black text looks on a background with the RYB color 117, 135, 163.




This preview shows how white text looks on a background with the RYB color 117, 135, 163.

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
116, 134, 159

Trichromacy



Original Color
117, 135, 163

Protanomaly
131, 139, 160

Deuteranomaly
135, 140, 164

Tritanomaly
116, 134, 160

Monochromacy



Original Color
117, 135, 163

Achromatopsia
140, 140, 140

Achromatomaly
132, 138, 148

CSS Examples

Text

The CSS property to change the color of the text to RGB 117, 135, 163 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, 147, 163) looks like.

```
.text, #text, p{  
    color:rgb(117, 147, 163)  
}
```

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, 147, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(117, 147, 163) }
```

Border

The CSS property to change the border of an element to RYB 117, 135, 163 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, 147, 163) }
```

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

```
.border{ border-color:rgb(117, 147, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(117, 147, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(117, 147, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(117, 147, 163);  
box-shadow:4px 4px 4px 4px rgb(117, 147,  
163) }
```

Background

The CSS property to change the background color of an element to RYB 117, 135, 163 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(117, 147, 163) }
```

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

```
.background{ background-color: rgb(117,  
147, 163) }
```

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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