

Converting Colors

`RYB(102, 139, 195)`

Have a look what the booklet for RYB(102, 139, 195) contains.

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Color

R_YB(102, 139, 195)

Conversions

Conversions Part 1

Format	Color
Hex	66A3C3
RGB	102, 163, 195
RGB Percent	40%, 64%, 76%
CMY	0.6000, 0.3590, 0.2353
CMYK	0.48, 0.16, 0.00, 0.24
HSL	200°, 44%, 58%
HSV	200°, 48%, 76%
XYZ	28.5064, 33.1181, 56.5197
YIQ	148.4090, -46.6280, -2.9800

Conversions

Conversions Part 2

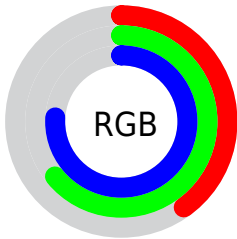
Format	Color
R _Y B	102, 139, 195
Decimal	6726595
CIE Lab	64.26, -11.25, -22.36
CIE LCh	64, 25.031, 243.301
Yxy	33.1181, 0.2413, 0.2803
Android (android.graphics.Color)	4284916675 (0xFF66A3C3)
YUV	148.4090, 22.9694, -40.7007
Hunter-Lab	57.5483, -12.2901, -17.9464

Details

The RYB color **102, 139, 195** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **195, 151, 102**, and the grayscale version is **148, 148, 148**.

A 20% lighter version of the original color is **158, 195, 252**, and **45, 84, 141** is the 20% darker color. If you saturate the color by 10%, you get **83, 128, 195**, and if you desaturate by 10%, it is **122, 151, 195**.

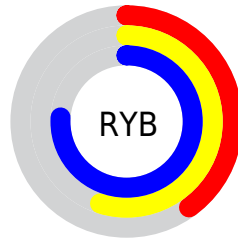
Distribution



Red (40%)

Green (64%)

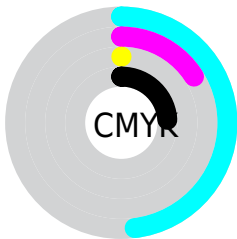
Blue (76%)



Red (40%)

Yellow (55%)

Blue (76%)

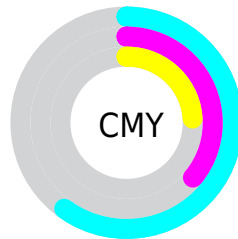


Cyan (48%)

Magenta (16%)

Yellow (0%)

Black (24%)



Cyan (60%)

Magenta (36%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 139, 195 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 102, 139, 195 by changing the saturation by 10% instead.

 102, 139, 195

255, 255, 255


 158, 195, 252

 186, 218, 255

 215, 235, 255

 244, 250, 255

 102, 139, 195


 74, 112, 168


 45, 84, 141

 2, 51, 116

 0, 38, 91

 0, 26, 67

 0, 15, 45

 0, 1, 24

 0, 0, 0

 102, 139, 195

 102, 139, 195

■ 83, 128, 195

■ 122, 151, 195

■ 63, 115, 195

■ 141, 163, 195

■ 44, 104, 195

■ 161, 174, 195

■ 24, 92, 195

■ 180, 186, 195

■ 5, 80, 195

■ 200, 198, 195

■ 0, 78, 195

■ 219, 207, 195

■ 239, 218, 195

■ 255, 227, 195

■ 255, 248, 195

Harmonies

Analogous

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



88, 130, 179



102, 139, 195



131, 150, 200

Triad

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



102, 139, 195



199, 139, 154



118, 162, 135

Complementary

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



102, 139, 195



195, 151, 102

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.



131, 170, 111



102, 139, 195



200, 144, 132

Square

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



102, 139, 195



187, 142, 176



189, 171, 117



120, 155, 166

Rectangle

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



102, 139, 195



152, 152, 197



189, 171, 117



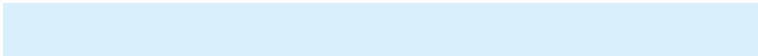
114, 160, 120

Sweetspot

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



102, 139, 195



217, 231, 252



102, 172, 195



106, 115, 128



0, 0, 0



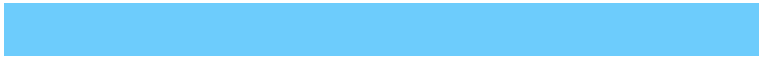
128, 128, 128

Same Dimension

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



102, 139, 195



109, 166, 252



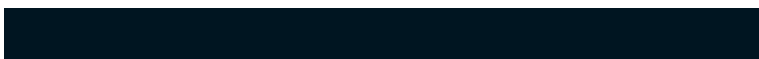
102, 116, 195



87, 91, 97



0, 64, 161



0, 13, 33

Inverse Universe

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



195, 102, 163



252, 109, 204



120, 195, 102



97, 87, 94



161, 0, 106



33, 0, 22

Previews

White Background



This preview shows how the RYB color 102, 139, 195 looks on a white background.

Color Contrast Check

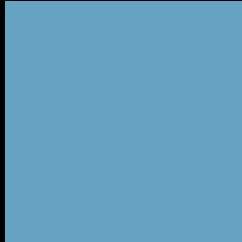
Large Text (above 18pt) WCAG AA × Fail

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 102, 139, 195 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

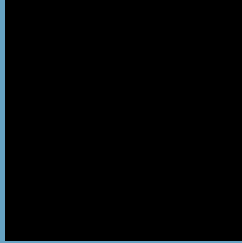
Any Text WCAG AA ✓ Pass

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 102, 139, 195 Background



This preview shows how black text looks on a background with the RYB color 102, 139, 195.

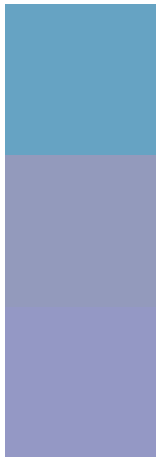


This preview shows how white text looks on a background with the RYB color 102, 139, 195.

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
102, 139, 195

Protanopia
147, 153, 188

Deuteranopia
148, 152, 197



Tritanopia
97, 135, 180

Trichromacy



Original Color
102, 139, 195

Protanomaly
131, 149, 191

Deuteranomaly
131, 149, 196

Tritanomaly
99, 136, 185

Monochromacy



Original Color
102, 139, 195

Achromatopsia
149, 149, 149

Achromatomaly
132, 145, 166

CSS Examples

Text

The CSS property to change the color of the text to RYB 102, 139, 195 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(102, 163, 195)` looks like.

```
.text, #text, p{  
    color:rgb(102, 163, 195)  
}
```

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(102, 163, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 163, 195) }
```

Border

The CSS property to change the border of an element to RYB 102, 139, 195 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(102, 163, 195) }
```

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

```
.border{ border-color:rgb(102, 163, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 163, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 163, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 163, 195);  
box-shadow:4px 4px 4px 4px rgb(102, 163,  
195) }
```

Background

The CSS property to change the background color of an element to RYB 102, 139, 195 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 163, 195) }
```

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

```
.background{ background-color: rgb(102,  
163, 195) }
```

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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