

Converting Colors

`RYB(102, 139, 213)`

Have a look what the booklet for
RYB(102, 139, 213) contains.

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Color

R_YB(102, 139, 213)

Conversions

Conversions Part 1

Format	Color
Hex	669ED5
RGB	102, 158, 213
RGB Percent	40%, 62%, 84%
CMY	0.6000, 0.3824, 0.1647
CMYK	0.52, 0.26, 0.00, 0.16
HSL	210°, 57%, 62%
HSV	210°, 52%, 84%
XYZ	29.6315, 31.9124, 67.5487
YIQ	147.5260, -51.0310, 5.2330

Conversions

Conversions Part 2

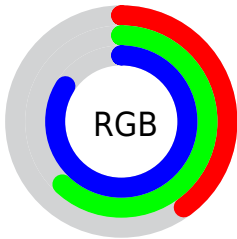
Format	Color
RYB	102, 139, 213
Decimal	6725333
CIELab	63.27, -2.65, -33.90
CIELCh	63, 34.005, 265.531
Yxy	31.9124, 0.2295, 0.2472
Android (android.graphics.Color)	4284915413 (0xFF669ED5)
YUV	147.5260, 32.2787, -39.9263
Hunter-Lab	56.4910, -5.2300, -31.3519

Details

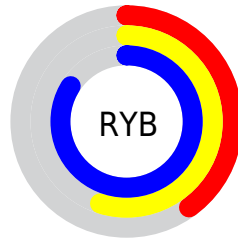
The RYB color **102, 139, 213** is a light color, and the websafe version is hex **6699CC**. A complement of this color would be **211, 213, 102**, and the grayscale version is **147, 147, 147**.

A 20% lighter version of the original color is **159, 193, 255**, and **41, 83, 158** is the 20% darker color. If you saturate the color by 10%, you get **81, 125, 213**, and if you desaturate by 10%, it is **123, 153, 213**.

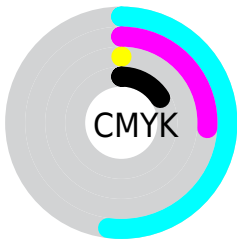
Distribution



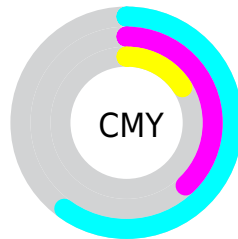
- Red (40%)
- Green (62%)
- Blue (84%)



- Red (40%)
- Yellow (55%)
- Blue (84%)



- Cyan (52%)
- Magenta (26%)
- Yellow (0%)
- Black (16%)




- Cyan (60%)
- Magenta (38%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 139, 213 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, 213 by changing the saturation by 10% instead.

 102, 139, 213


255, 255, 255


 159, 193, 255


 188, 217, 255

 217, 236, 255

 246, 251, 255

 102, 139, 213


 73, 112, 185

 41, 83, 158

 0, 51, 132

 0, 38, 106

 0, 26, 82

 0, 13, 58

 0, 2, 36

 0, 0, 12

 0, 0, 0

■ 102, 139, 213

■ 102, 139, 213

■ 81, 125, 213

■ 123, 153, 213

■ 59, 110, 213

■ 145, 168, 213

■ 38, 97, 213

■ 166, 181, 213

■ 17, 82, 213

■ 187, 196, 213

■ 0, 71, 213

■ 209, 210, 213

■ 230, 228, 213

■ 251, 251, 213

■ 230, 255, 213

■ 215, 255, 213

Harmonies

Analogous

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



50, 115, 202



102, 139, 213



150, 147, 208

Triad

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



102, 139, 213



212, 131, 129



111, 160, 166

Complementary

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



102, 139, 213



211, 213, 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.



98, 159, 110



102, 139, 213



201, 159, 104

Square

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



102, 139, 213



208, 130, 159



133, 177, 93



72, 127, 169

Rectangle

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



102, 139, 213



176, 140, 196



133, 177, 93



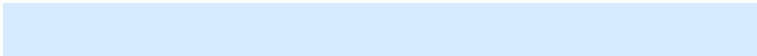
110, 164, 150

Sweetspot

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



102, 139, 213



214, 228, 255



102, 176, 213



103, 111, 128



0, 0, 0



128, 128, 128

Same Dimension

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



102, 139, 213



94, 148, 255



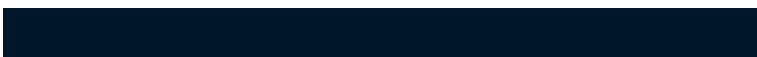
102, 102, 213



96, 100, 107



0, 57, 171



0, 15, 43

Inverse Universe

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



213, 102, 158



255, 94, 175



102, 213, 102



107, 96, 102



171, 0, 85



43, 0, 22

Previews

White Background



This preview shows how the RYB color 102, 139, 213 looks on a white background.

Color Contrast Check

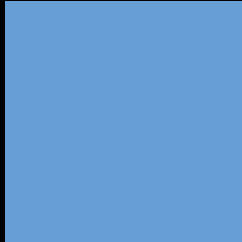
Large Text (above 18pt) WCAG AA × Fail

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, 213 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, 213 Background



This preview shows how black text looks on a background with the RYB color 102, 139, 213.



This preview shows how white text looks on a background with the RYB color 102, 139, 213.

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, 213

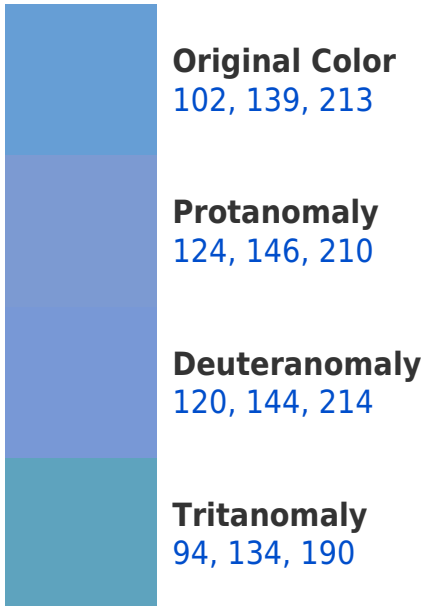
Protanopia
136, 148, 208

Deuteranopia
131, 147, 214

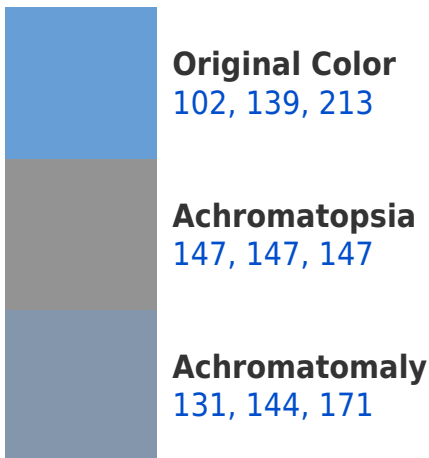


Tritanopia
90, 130, 177

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 102, 139, 213 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, 158, 213)` looks like.

```
.text, #text, p{  
    color:rgb(102, 158, 213)  
}
```

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, 158, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 158, 213) }
```

Border

The CSS property to change the border of an element to RYB 102, 139, 213 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, 158, 213) }
```

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

```
.border{ border-color:rgb(102, 158, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 158, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 158, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 158, 213);  
box-shadow:4px 4px 4px 4px rgb(102, 158,  
213) }
```

Background

The CSS property to change the background color of an element to RYB 102, 139, 213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 158, 213) }
```

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

```
.background{ background-color: rgb(102,  
158, 213) }
```

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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