

Converting Colors

`RYB(102, 127, 192)`

Have a look what the booklet for
RYB(102, 127, 192) contains.

RYB(102, 127, 192)	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(102, 127, 192)

Conversions

Conversions Part 1

Format	Color
Hex	6689C0
RGB	102, 137, 192
RGB Percent	40%, 54%, 75%
CMY	0.6000, 0.4643, 0.2471
CMYK	0.47, 0.29, 0.00, 0.25
HSL	217°, 42%, 58%
HSV	217°, 47%, 75%
XYZ	23.8850, 24.4127, 53.3224
YIQ	132.8050, -38.5150, 9.6850

Conversions

Conversions Part 2

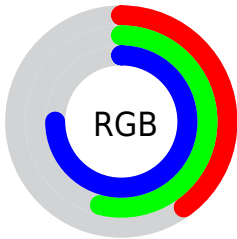
Format	Color
R_{YB}	102, 127, 192
Decimal	6719936
CIE _{Lab}	56.50, 3.03, -32.65
CIE _{LCh}	56, 32.787, 275.302
Yxy	24.4127, 0.2350, 0.2402
Android (android.graphics.Color)	4284910016 (0xFF6689C0)
YUV	132.8050, 29.1831, -27.0160
Hunter-Lab	49.4092, -0.1771, -29.3993

Details

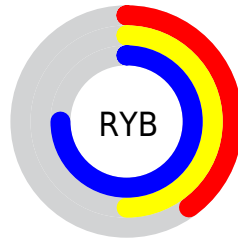
The RYB color **102, 127, 192** is a dark color, and the websafe version is hex **6699CC**. A complement of this color would be **159, 192, 102**, and the grayscale version is **132, 132, 132**.

A 20% lighter version of the original color is **157, 181, 249**, and **46, 74, 138** is the 20% darker color. If you saturate the color by 10%, you get **83, 113, 192**, and if you desaturate by 10%, it is **121, 141, 192**.

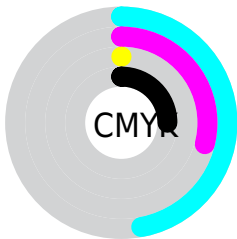
Distribution



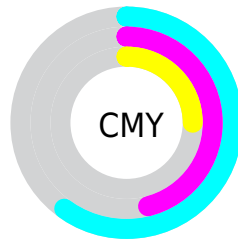
- Red (40%)
- Green (54%)
- Blue (75%)



- Red (40%)
- Yellow (50%)
- Blue (75%)



- Cyan (47%)
- Magenta (29%)
- Yellow (0%)
- Black (25%)




- Cyan (60%)
- Magenta (46%)
- Yellow (25%)


Brightness & Saturation Gradients

These gradients show how the RYB color 102, 127, 192 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, 127, 192 by changing the saturation by 10% instead.

 102, 127, 192

255, 255, 255


 157, 181, 249

 185, 207, 255

 214, 232, 255

 243, 249, 255


 102, 127, 192

 75, 101, 165

 46, 74, 138

 9, 45, 113


 0, 28, 88


 0, 16, 64

 0, 3, 42

 0, 1, 20

 0, 0, 0

 102, 127, 192

 102, 127, 192

■ 83, 113, 192

■ 121, 141, 192

■ 64, 99, 192

■ 140, 154, 192

■ 44, 85, 192

■ 160, 169, 192

■ 25, 71, 192

■ 179, 183, 192

■ 6, 58, 192

■ 195, 198, 192

■ 0, 53, 192

■ 206, 217, 192

■ 220, 236, 192

■ 231, 255, 192

■ 207, 255, 192

Harmonies

Analogous

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



49, 106, 187



102, 127, 192



145, 126, 182

Triad

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



102, 127, 192



189, 119, 104



84, 130, 149

Complementary

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



102, 127, 192



159, 192, 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.



88, 144, 113



102, 127, 192



174, 163, 84

Square

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



102, 127, 192



190, 113, 131



95, 149, 78



41, 99, 151

Rectangle

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



102, 127, 192



167, 120, 168



95, 149, 78



96, 142, 147

Sweetspot

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



102, 127, 192



215, 224, 250



102, 158, 192



104, 110, 125



252, 252, 252



125, 125, 125

Same Dimension

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



102, 127, 192



110, 149, 250



111, 102, 192



87, 90, 97



0, 45, 161



0, 9, 33

Inverse Universe

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



192, 102, 137



250, 110, 164



102, 192, 111



97, 87, 91



161, 0, 62



33, 0, 13

Previews

White Background



This preview shows how the RYB color 102, 127, 192 looks on a white background.

Color Contrast Check

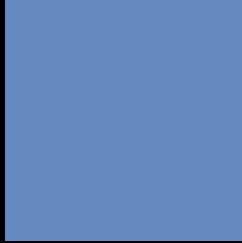
Large Text (above 18pt) WCAG AA ✓ Pass

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 102, 127, 192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

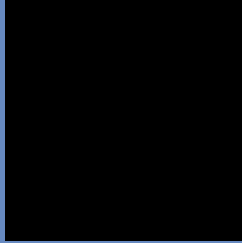
Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

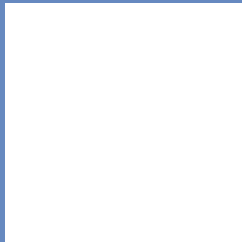
Any Text WCAG AAA × Fail

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

RYB 102, 127, 192 Background



This preview shows how black text looks on a background with the RYB color 102, 127, 192.



This preview shows how white text looks on a background with the RYB color 102, 127, 192.

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, 127, 192

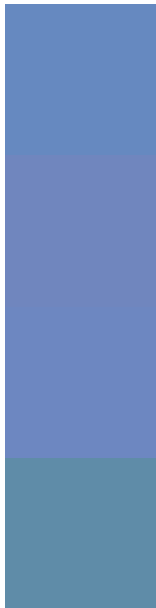
Protanopia
118, 130, 189

Deuteranopia
113, 130, 193



Tritanopia
91, 120, 155

Trichromacy



Original Color

102, 127, 192

Protanomaly

112, 129, 190

Deuteranomaly

109, 129, 193

Tritanomaly

95, 123, 168

Monochromacy



Original Color

102, 127, 192

Achromatopsia

133, 133, 133

Achromatomaly

122, 131, 154

CSS Examples

Text

The CSS property to change the color of the text to RYB 102, 127, 192 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, 137, 192)` looks like.

```
.text, #text, p{  
    color:rgb(102, 137, 192)  
}
```

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, 137, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 137, 192) }
```

Border

The CSS property to change the border of an element to RYB 102, 127, 192 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, 137, 192) }
```

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

```
.border{ border-color:rgb(102, 137, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 137, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 137, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 137, 192);  
box-shadow:4px 4px 4px 4px rgb(102, 137,  
192) }
```

Background

The CSS property to change the background color of an element to RYB 102, 127, 192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 137, 192) }
```

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

```
.background{ background-color: rgb(102,  
137, 192) }
```

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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