

Converting Colors

`RYB(102, 122, 142)`

Have a look what the booklet for
RYB(102, 122, 142) contains.

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Color

R_YB(102, 122, 142)

Conversions

Conversions Part 1

Format	Color
Hex	668E8E
RGB	102, 142, 142
RGB Percent	40%, 56%, 56%
CMY	0.6000, 0.4431, 0.4431
CMYK	0.28, 0.00, 0.00, 0.44
HSL	180°, 16%, 48%
HSV	180°, 28%, 56%
XYZ	20.0350, 24.1238, 29.1916
YIQ	130.0400, -23.8400, -8.4800

Conversions

Conversions Part 2

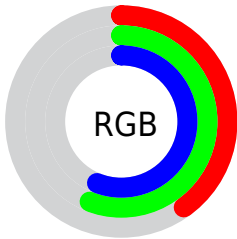
Format	Color
RYB	102, 122, 142
Decimal	6721166
CIELab	56.21, -13.69, -4.46
CIELCh	56, 14.396, 198.046
Yxy	24.1238, 0.2731, 0.3289
Android (android.graphics.Color)	4284911246 (0xFF668E8E)
YUV	130.0400, 5.8963, -24.5911
Hunter-Lab	49.1160, -13.1407, -0.8573

Details

The RYB color **102, 122, 142** is a dark color, and the websafe version is hex **669999**. A complement of this color would be **142, 102, 102**, and the grayscale version is **130, 130, 130**.

A 20% lighter version of the original color is **154, 175, 196**, and **53, 73, 92** is the 20% darker color. If you saturate the color by 10%, you get **88, 115, 142**, and if you desaturate by 10%, it is **116, 129, 142**.

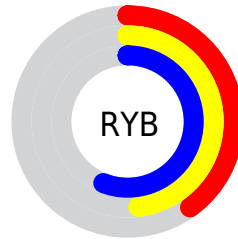
Distribution



Red (40%)

Green (56%)

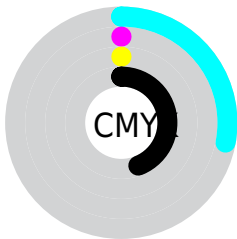
Blue (56%)



Red (40%)

Yellow (48%)

Blue (56%)

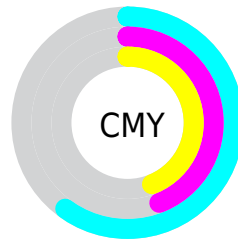


Cyan (28%)

Magenta (0%)

Yellow (0%)

Black (44%)



Cyan (60%)

Magenta (44%)

Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the RYB color 102, 122, 142 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, 122, 142 by changing the saturation by 10% instead.

■ 102, 122, 142

255, 255, 255

■ 154, 175, 196

■ 181, 203, 224

■ 209, 231, 252

■ 238, 247, 255

■ 102, 122, 142

■ 77, 97, 116

■ 53, 73, 92

■ 29, 49, 68

■ 2, 24, 46

■ 0, 13, 26

■ 0, 0, 0

■ 102, 122, 142

■ 88, 115, 142

■ 74, 108, 142

■ 102, 122, 142

■ 116, 129, 142

■ 130, 136, 142

■ 59, 101, 142

■ 145, 142, 142

■ 45, 94, 142

■ 159, 142, 142

■ 31, 87, 142

■ 173, 142, 142

■ 17, 80, 142

■ 187, 142, 142

■ 3, 73, 142

■ 201, 142, 142

■ 0, 71, 142

■ 216, 142, 142

■ 230, 142, 142

Harmonies

Analogous

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



109, 130, 142



102, 122, 142



104, 125, 153

Triad

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



102, 122, 142



146, 129, 152



142, 149, 111

Complementary

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



102, 122, 142



142, 102, 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.



158, 132, 117



102, 122, 142



157, 127, 140

Square

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



102, 122, 142



131, 133, 158



161, 126, 128



112, 137, 111

Rectangle

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



102, 122, 142



110, 128, 158



161, 126, 128



153, 147, 112

Sweetspot

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



102, 122, 142



169, 177, 184



102, 142, 142



83, 88, 92



219, 219, 219



92, 92, 92

Same Dimension

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



102, 122, 142



121, 153, 184



102, 115, 142



64, 68, 71



0, 68, 135



0, 4, 8

Inverse Universe

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



142, 102, 142



184, 121, 184



142, 142, 102



71, 64, 71



135, 0, 135



8, 0, 8

Previews

White Background



This preview shows how the RYB color 102, 122, 142 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, 122, 142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

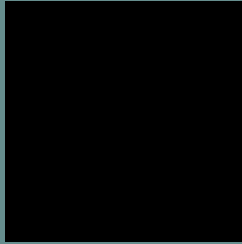
Any Text WCAG AA ✓ Pass

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 102, 122, 142 Background



This preview shows how black text looks on a background with the R Y B color 102, 122, 142.



This preview shows how white text looks on a background with the R Y B color 102, 122, 142.

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, 122, 142

Protanopia

136, 134, 137

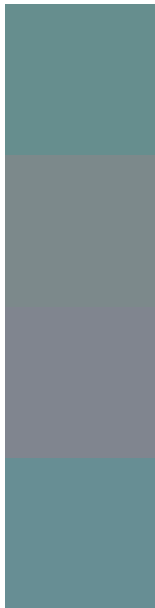
Deuteranopia

143, 130, 144



Tritanopia
104, 125, 152

Trichromacy



Original Color

102, 122, 142

Protanomaly

124, 131, 139

Deuteranomaly

128, 132, 143

Tritanomaly

103, 124, 148

Monochromacy



Original Color

102, 122, 142

Achromatopsia

130, 130, 130

Achromatomaly

120, 127, 134

CSS Examples

Text

The CSS property to change the color of the text to RYB 102, 122, 142 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, 142, 142)` looks like.

```
.text, #text, p{  
    color:rgb(102, 142, 142)  
}
```

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, 142, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(102, 142, 142) }
```

Border

The CSS property to change the border of an element to RYB 102, 122, 142 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, 142, 142) }
```

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

```
.border{ border-color:rgb(102, 142, 142) }
```

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

Here you see how a box with a 4 pixel `rgb(102, 142, 142)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(102, 142, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(102, 142, 142);  
box-shadow:4px 4px 4px 4px rgb(102, 142,  
142) }
```

Background

The CSS property to change the background color of an element to RYB 102, 122, 142 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(102, 142, 142) }
```

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

```
.background{ background-color: rgb(102,  
142, 142) }
```

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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