

Converting Colors

`RYB(64, 107, 142)`

Have a look what the booklet for
RYB(64, 107, 142) contains.

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Color

`RYB(64, 107, 142)`

Conversions

Conversions Part 1

Format	Color
Hex	408E7F
RGB	64, 142, 127
RGB Percent	25%, 56%, 50%
CMY	0.7490, 0.4431, 0.5000
CMYK	0.55, 0.00, 0.10, 0.44
HSL	169°, 38%, 40%
HSV	169°, 55%, 56%
XYZ	15.6500, 21.9811, 23.6639
YIQ	116.9680, -41.6730, -21.2010

Conversions

Conversions Part 2

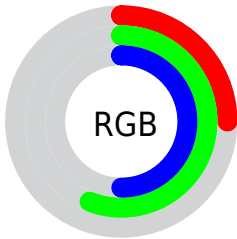
Format	Color
RYB	64, 107, 142
Decimal	4230783
CIELab	54.01, -27.70, 0.46
CIELCh	54, 27.708, 179.059
Yxy	21.9811, 0.2553, 0.3586
Android (android.graphics.Color)	4282420863 (0xFF408E7F)
YUV	116.9680, 4.9458, -46.4529
Hunter-Lab	46.8840, -22.4630, 2.8932

Details

The RYB color **64, 107, 142** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **142, 64, 79**, and the grayscale version is **117, 117, 117**.

A 20% lighter version of the original color is **118, 161, 196**, and **0, 49, 91** is the 20% darker color. If you saturate the color by 10%, you get **50, 101, 142**, and if you desaturate by 10%, it is **78, 113, 142**.

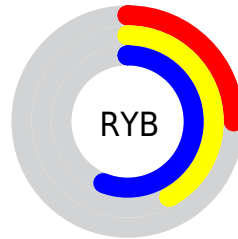
Distribution



Red (25%)

Green (56%)

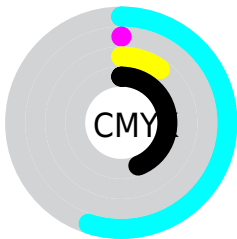
Blue (50%)



Red (25%)

Yellow (42%)

Blue (56%)

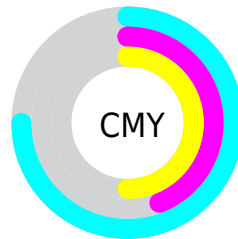


Cyan (55%)

Magenta (0%)

Yellow (10%)

Black (44%)



Cyan (75%)

Magenta (44%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 64, 107, 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 64, 107, 142 by changing the saturation by 10% instead.



64, 107, 142



64, 107, 142

255, 255, 255



35, 79, 116



118, 161, 196



0, 49, 91



146, 189, 224



0, 36, 67



174, 218, 253



0, 25, 44



202, 229, 255



0, 15, 23



231, 243, 255



0, 0, 0



64, 107, 142



64, 107, 142



50, 101, 142



78, 113, 142



36, 95, 142



92, 119, 142

■ 21, 88, 142

■ 107, 126, 142

■ 7, 81, 142

■ 121, 133, 142

■ 0, 78, 142

■ 135, 139, 142

■ 149, 142, 143

■ 163, 142, 146

■ 178, 142, 149

■ 192, 142, 151

Harmonies

Analogous

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



93, 131, 140



64, 107, 142



44, 95, 151

Triad

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



64, 107, 142



131, 123, 171



165, 139, 89

Complementary

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



64, 107, 142



142, 64, 79

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.



176, 114, 107



64, 107, 142



159, 115, 154

Square

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



64, 107, 142



95, 120, 177



174, 111, 131



108, 146, 81

Rectangle

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



64, 107, 142



50, 100, 164



174, 111, 131



170, 127, 94

Sweetspot

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



64, 107, 142



154, 171, 184



64, 142, 126



74, 84, 92



219, 219, 219



92, 92, 92

Same Dimension

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



64, 107, 142



62, 129, 184



64, 96, 142



64, 68, 71



0, 74, 135



0, 5, 8

Inverse Universe

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



142, 64, 79



184, 62, 85



142, 97, 64



71, 64, 66



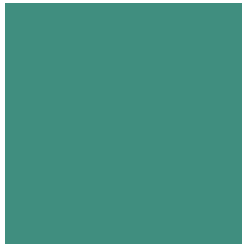
135, 0, 25



8, 0, 1

Previews

White Background



This preview shows how the RYB color 64, 107, 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 64, 107, 142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

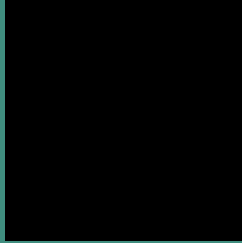
Any Text WCAG AA ✓ Pass

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](#).

RYB 64, 107, 142 Background



This preview shows how black text looks on a background with the RYB color 64, 107, 142.



This preview shows how white text looks on a background with the RYB color 64, 107, 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





Tritanopia
72, 108, 150

Trichromacy



Original Color

64, 107, 142

Protanomaly

108, 124, 133

Deuteranomaly

112, 122, 131

Tritanomaly

69, 105, 142

Monochromacy



Original Color

64, 107, 142

Achromatopsia

117, 117, 117

Achromatomaly

98, 113, 126

CSS Examples

Text

The CSS property to change the color of the text to RYB 64, 107, 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(64, 142, 127)` looks like.

```
.text, #text, p{  
    color:rgb(64, 142, 127)  
}
```

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(64, 142, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 142, 127) }
```

Border

The CSS property to change the border of an element to RYB 64, 107, 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(64, 142, 127) }
```

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

```
.border{ border-color:rgb(64, 142, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 142, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 142, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 142, 127);  
box-shadow:4px 4px 4px 4px rgb(64, 142,  
127) }
```

Background

The CSS property to change the background color of an element to RYB 64, 107, 142 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 142, 127) }
```

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

```
.background{ background-color: rgb(64, 142,  
127) }
```

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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