

Converting Colors

`RYB(64, 118, 130)`

Have a look what the booklet for
RYB(64, 118, 130) contains.

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Color

R_YB(64, 118, 130)

Conversions

Conversions Part 1

Format	Color
Hex	40824F
RGB	64, 130, 79
RGB Percent	25%, 51%, 31%
CMY	0.7490, 0.4902, 0.6915
CMYK	0.51, 0.00, 0.39, 0.49
HSL	133°, 34%, 38%
HSV	133°, 51%, 51%
XYZ	11.4962, 17.6149, 10.1278
YIQ	104.4520, -22.9650, -29.8530

Conversions

Conversions Part 2

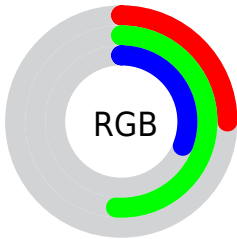
Format	Color
RYB	64, 118, 130
Decimal	4227663
CIELab	49.03, -33.01, 21.50
CIELCh	49, 39.393, 146.930
Yxy	17.6149, 0.2930, 0.4489
Android (android.graphics.Color)	4282417743 (0xFF40824F)
YUV	104.4520, -12.5478, -35.4764
Hunter-Lab	41.9701, -24.5543, 15.0719

Details

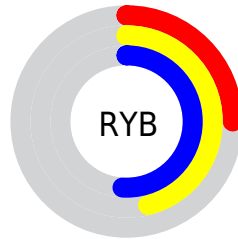
The RYB color **64, 118, 130** is a dark color, and the websafe version is hex **669966**. A complement of this color would be **130, 64, 115**, and the grayscale version is **105, 105, 105**.

A 20% lighter version of the original color is **116, 173, 184**, and **4, 59, 80** is the 20% darker color. If you saturate the color by 10%, you get **51, 115, 130**, and if you desaturate by 10%, it is **77, 120, 130**.

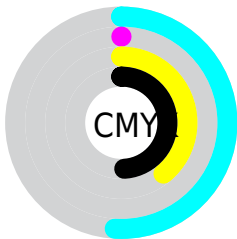
Distribution



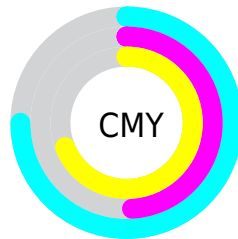
- Red (25%)
- Green (51%)
- Blue (31%)



- Red (25%)
- Yellow (46%)
- Blue (51%)



- Cyan (51%)
- Magenta (0%)
- Yellow (39%)
- Black (49%)



- Cyan (75%)
- Magenta (49%)
- Yellow (69%)

Brightness & Saturation Gradients

These gradients show how the RYB color 64, 118, 130 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, 118, 130 by changing the saturation by 10% instead.



64, 118, 130



64, 118, 130

255, 255, 255



37, 90, 104



116, 174, 184



3, 58, 80



143, 202, 211



0, 47, 56



171, 231, 240



0, 36, 36



199, 247, 255



0, 0, 0



227, 248, 255



64, 118, 130



64, 118, 130



51, 115, 130




77, 120, 130




38, 114, 130




90, 123, 130


 25, 111, 130

 103, 125, 130

 12, 109, 130

 116, 128, 130


 0, 106, 130

 129, 130, 130

 142, 130, 139

 155, 130, 149

 168, 130, 160

 181, 130, 170

Harmonies

Analogous

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



54, 124, 72



64, 118, 130



0, 72, 133

Triad

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



64, 118, 130



43, 93, 183



178, 91, 88

Complementary

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



64, 118, 130



130, 64, 115

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, 88, 121



64, 118, 130



113, 109, 176

Square

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



64, 118, 130



0, 74, 172



154, 96, 153



164, 126, 61

Rectangle

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



64, 118, 130



0, 67, 135



154, 96, 153



179, 89, 99

Sweetspot

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



64, 118, 130



143, 163, 168



64, 130, 78



69, 82, 84



212, 212, 212



84, 84, 84

Same Dimension

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



64, 118, 130



66, 150, 168



64, 103, 130



57, 62, 64



0, 105, 128



0, 0, 0

Inverse Universe

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



130, 64, 115



168, 66, 145



130, 64, 83



64, 57, 62



128, 0, 99



0, 0, 0

Previews

White Background



This preview shows how the RYB color 64, 118, 130 looks on a white 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

Black Background



This preview shows how the RYB color 64, 118, 130 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 64, 118, 130 Background



This preview shows how black text looks on a background with the R Y B color 64, 118, 130.



This preview shows how white text looks on a background with the R Y B color 64, 118, 130.

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

64, 118, 130

Protanopia

85, 126, 73

Deuteranopia

136, 138, 83

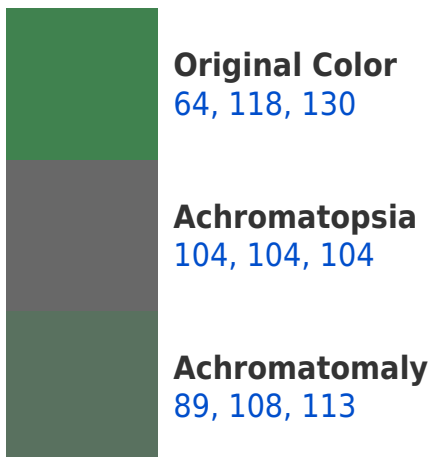


Tritanopia
77, 102, 133

Trichromacy



Monochromacy



CSS Examples

Text

The CSS property to change the color of the text to RYB 64, 118, 130 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, 130, 79)` looks like.

```
.text, #text, p{  
    color:rgb(64, 130, 79)  
}
```

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, 130, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 130, 79) }
```

Border

The CSS property to change the border of an element to RYB 64, 118, 130 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, 130, 79) }
```

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

```
.border{ border-color:rgb(64, 130, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 130, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 130, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 130, 79);  
box-shadow:4px 4px 4px 4px rgb(64, 130,  
79) }
```

Background

The CSS property to change the background color of an element to RYB 64, 118, 130 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 130, 79) }
```

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

```
.background{ background-color: rgb(64, 130,  
79) }
```

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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