

Converting Colors

`RYB(64, 101, 121)`

Have a look what the booklet for
RYB(64, 101, 121) contains.

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Color

R_YB(64, 101, 121)

Conversions

Conversions Part 1

Format	Color
Hex	40795F
RGB	64, 121, 95
RGB Percent	25%, 47%, 37%
CMY	0.7490, 0.5255, 0.6282
CMYK	0.47, 0.00, 0.22, 0.53
HSL	152°, 31%, 36%
HSV	152°, 47%, 47%
XYZ	11.0087, 15.5875, 13.2099
YIQ	100.9930, -25.6260, -20.1700

Conversions

Conversions Part 2

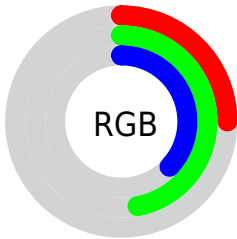
Format	Color
RYB	64, 101, 121
Decimal	4225375
CIELab	46.43, -25.36, 8.63
CIELCh	46, 26.789, 161.216
Yxy	15.5875, 0.2766, 0.3916
Android (android.graphics.Color)	4282415455 (0xFF40795F)
YUV	100.9930, -2.9545, -32.4429
Hunter-Lab	39.4810, -19.3198, 7.7990

Details

The RYB color **64, 101, 121** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **121, 64, 90**, and the grayscale version is **101, 101, 101**.

A 20% lighter version of the original color is **115, 154, 174**, and **9, 48, 72** is the 20% darker color. If you saturate the color by 10%, you get **52, 97, 121**, and if you desaturate by 10%, it is **76, 105, 121**.

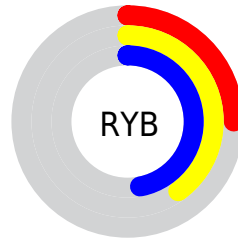
Distribution



Red (25%)

Green (47%)

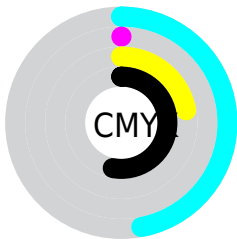
Blue (37%)



Red (25%)

Yellow (40%)

Blue (47%)

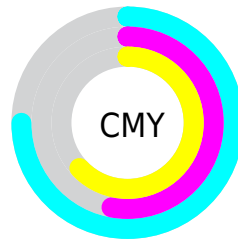


Cyan (47%)

Magenta (0%)

Yellow (22%)

Black (53%)



Cyan (75%)

Magenta (53%)

Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the RYB color 64, 101, 121 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, 101, 121 by changing the saturation by 10% instead.



64, 101, 121



64, 101, 121

255, 255, 255



39, 76, 96



115, 154, 174



9, 48, 72



142, 181, 201



0, 31, 49



169, 209, 229



0, 29, 30



197, 235, 255



0, 0, 0



225, 240, 255

254, 255, 255



64, 101, 121



64, 101, 121



52, 97, 121



76, 105, 121

■ 40, 92, 121

■ 88, 109, 121

■ 28, 88, 121

■ 100, 114, 121

■ 16, 84, 121

■ 112, 118, 121

■ 3, 80, 121

■ 124, 121, 123

■ 0, 79, 121

■ 137, 121, 128

■ 149, 121, 134

■ 161, 121, 139

■ 173, 121, 145

Harmonies

Analogous

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



75, 117, 100



64, 101, 121



34, 79, 122

Triad

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



64, 101, 121



92, 105, 154



150, 100, 81

Complementary

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



64, 101, 121



121, 64, 90

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.



154, 93, 102



64, 101, 121



123, 101, 144

Square

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



64, 101, 121



53, 92, 152



145, 95, 125



131, 137, 68

Rectangle

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



64, 101, 121



18, 72, 133



145, 95, 125



153, 96, 88

Sweetspot

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



64, 101, 121



136, 150, 158



64, 121, 94



66, 74, 79



207, 207, 207



79, 79, 79

Same Dimension

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



64, 101, 121



68, 126, 158



64, 92, 121



55, 59, 61



0, 81, 125



0, 164, 252

Inverse Universe

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



121, 64, 90



158, 68, 109



121, 66, 64



61, 55, 58



125, 0, 57



252, 0, 116

Previews

White Background



This preview shows how the RYB color 64, 101, 121 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, 101, 121 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

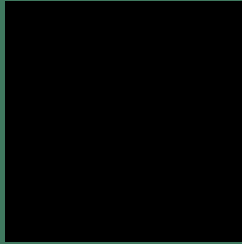
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

RYB 64, 101, 121 Background



This preview shows how black text looks on a background with the RYB color 64, 101, 121.



This preview shows how white text looks on a background with the RYB color 64, 101, 121.

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, 101, 121

Protanopia

98, 116, 89

Deuteranopia

124, 110, 98



Tritanopia
72, 97, 126

Trichromacy



Original Color
64, 101, 121

Protanomaly
91, 113, 107

Deuteranomaly
97, 111, 106

Tritanomaly
69, 94, 118

Monochromacy



Original Color
64, 101, 121

Achromatopsia
101, 101, 101

Achromatomaly
88, 101, 108

CSS Examples

Text

The CSS property to change the color of the text to RYB 64, 101, 121 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, 121, 95)` looks like.

```
.text, #text, p{  
    color:rgb(64, 121, 95)  
}
```

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, 121, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 121, 95) }
```

Border

The CSS property to change the border of an element to RYB 64, 101, 121 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, 121, 95) }
```

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

```
.border{ border-color:rgb(64, 121, 95) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 121, 95)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 121, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 121, 95);  
box-shadow:4px 4px 4px 4px rgb(64, 121,  
95) }
```

Background

The CSS property to change the background color of an element to RYB 64, 101, 121 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 121, 95) }
```

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

```
.background{ background-color: rgb(64, 121,  
95) }
```

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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