Converting Colors

RYB(64, 121, 143)

Have a look what the booklet for RYB(64, 121, 143) contains.

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Color

RYB(64, 121, 143)

Conversions

Conversions Part 1

Format	Color
Hex	408F5E
RGB	64, 143, 94
RGB Percent	25%, 56%, 37%
CMY	0.7490, 0.4392, 0.6294
CMYK	0.55, 0.00, 0.34, 0.44
HSL	143°, 38%, 41%
HSV	143°, 55%, 56%
XYZ	13.9793, 21.5519, 14.1288
YIQ	113.7930, -31.3550, -31.9870

Conversions

Conversions Part 2

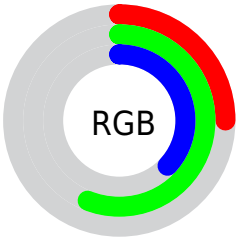
Format	Color
RYB	64, 121, 143
Decimal	4231006
CIELab	53.55, -35.85, 18.66
CIELCh	54, 40.413, 152.506
Yxy	21.5519, 0.2815, 0.4340
Android (android.graphics.Color)	4282421086 (0xFF408F5E)
YUV	113.7930, -9.7579, -43.6685
Hunter-Lab	46.4240, -27.4917, 14.4524

Details

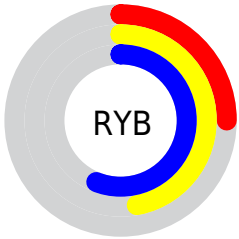
The RYB color 64, 121, 143 is a dark color, and the websafe version is hex 339966. A complement of this color would be 143, 64, 113, and the grayscale version is 114, 114, 114.

A 20% lighter version of the original color is 118, 177, 197, and 0, 61, 92 is the 20% darker color. If you saturate the color by 10%, you get 50, 117, 143, and if you desaturate by 10%, it is 78, 125, 143.

Distribution

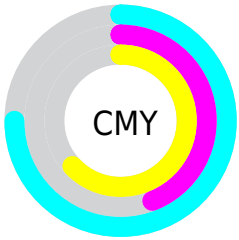


- Red (25%)
- Green (56%)
- Blue (37%)



- Red (25%)
- Yellow (47%)
- Blue (56%)

- Cyan (55%)
- Magenta (0%)
- Yellow (34%)
- Black (44%)



- Cyan (75%)
- Magenta (44%)
- Yellow (63%)

Brightness & Saturation Gradients

These gradients show how the RYB color 64, 121, 143 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, 121, 143 by changing the saturation by 10% instead.

64, 121, 143	64, 121, 143
255, 255, 255	35, 92, 117
118, 177, 197	0, 60, 92
145, 206, 226	0, 49, 68
173, 235, 255	0, 44, 45
201, 237, 255	0, 21, 21
230, 243, 255	0, 0, 0

64, 121, 143	64, 121, 143
50, 117, 143	78, 125, 143
35, 113, 143	93, 129, 143

21, 109, 143

7, 105, 143

0, 103, 143

107, 133, 143

121, 137, 143

136, 141, 143

150, 143, 147

164, 143, 156

178, 143, 165

193, 143, 174

Harmonies

Analogous

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

67, 137, 94

64, 121, 143

0, 77, 146

Triad

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

64, 121, 143

72, 112, 197

191, 104, 92

Complementary

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

64, 121, 143

143, 64, 113

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.

192, 99, 126

64, 121, 143

134, 118, 187

Square

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

64, 121, 143

0, 80, 189

173, 105, 161

174, 152, 66

Rectangle

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

64, 121, 143

0, 74, 153

173, 105, 161

193, 100, 103

Sweetspot

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

64, 121, 143

155, 177, 186

64, 143, 94

75, 88, 94

222, 222, 222

94, 94, 94

Same Dimension

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

64, 121, 143

63, 151, 186

64, 106, 143

64, 69, 71

0, 97, 135

0, 6, 8

Inverse Universe

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

143, 64, 113

186, 63, 139

143, 64, 73

71, 64, 69

135, 0, 83

8, 0, 5

Previews

White Background

This preview shows how the RYB color 64, 121, 143 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

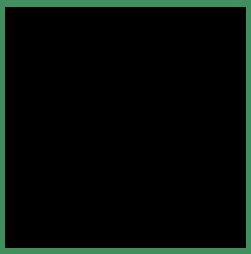
This preview shows how the RYB color 64, 121, 143 looks on a black background.

Color Contrast Check

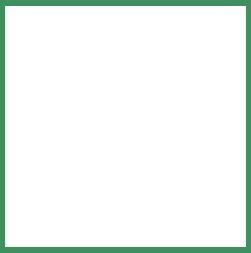
Large Text (above 18pt) WCAG AA ✓ Pass
Any Text WCAG AA ✓ Pass
Large Text (above 18pt) WCAG AAA ✓ Pass
Any Text WCAG AAA ✕ Fail

If you want to check with other color combinations, try the Color Contrast Checker.

RYB 64, 121, 143 Background



This preview shows how black text looks on a background with the RYB color 64, 121, 143.



This preview shows how white text looks on a background with the RYB color 64, 121, 143.

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, 121, 143

Protanopia
101, 137, 88

Deuteranopia
149, 142, 99

Tritanopia
79, 110, 147

Trichromacy

Original Color
64, 121, 143

Protanomaly
90, 133, 113

Deuteranomaly
97, 130, 109

Tritanomaly
74, 110, 139

Monochromacy

Original Color
64, 121, 143

Achromatopsia
114, 114, 114

Achromatomaly
96, 117, 125

CSS Examples

Text

The CSS property to change the color of the text to RYB 64, 121, 143 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, 143, 94) looks like.

```
.text, #text, p{
    color:rgb(64, 143, 94)
}
```

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, 143, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 143, 94) }
```

Border

The CSS property to change the border of an element to RYB 64, 121, 143 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, 143, 94) }
```

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

```
.border{ border-color:rgb(64, 143, 94) }
```

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

Here you see how a box with a 4 pixel rgb(64, 143, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(64, 143, 94); -webkit-box-shadow:4px 4px 4px 4px rgb(64, 143, 94); box-shadow:4px 4px 4px 4px rgb(64, 143, 94) }
```

Background

The CSS property to change the background color of an element to RYB 64, 121, 143 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(64, 143, 94) }
```

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

```
.background{ background-color:rgb(64, 143,
94) }
```

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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