

Converting Colors

`RYB(64, 90, 127)`

Have a look what the booklet for
RYB(64, 90, 127) contains.

RYB(64, 90, 127)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(64, 90, 127)

Conversions

Conversions Part 1

Format	Color
Hex	406C7F
RGB	64, 108, 127
RGB Percent	25%, 42%, 50%
CMY	0.7490, 0.5754, 0.5020
CMYK	0.50, 0.15, 0.00, 0.50
HSL	198°, 33%, 37%
HSV	198°, 50%, 50%
XYZ	11.3362, 13.4045, 22.0685
YIQ	97.0100, -32.3230, -3.4190

Conversions

Conversions Part 2

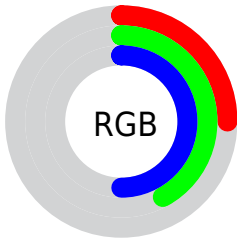
Format	Color
RYB	64, 90, 127
Decimal	4222079
CIELab	43.37, -9.77, -15.12
CIELCh	43, 18.006, 237.138
Yxy	13.4045, 0.2422, 0.2864
Android (android.graphics.Color)	4282412159 (0xFF406C7F)
YUV	97.0100, 14.7851, -28.9498
Hunter-Lab	36.6122, -8.8024, -10.1094

Details

The RYB color **64, 90, 127** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **127, 91, 64**, and the grayscale version is **97, 97, 97**.

A 20% lighter version of the original color is **116, 142, 180**, and **6, 37, 78** is the 20% darker color. If you saturate the color by 10%, you get **51, 82, 127**, and if you desaturate by 10%, it is **77, 98, 127**.

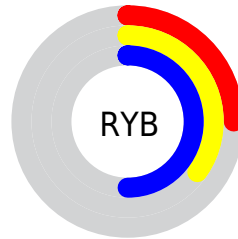
Distribution



Red (25%)

Green (42%)

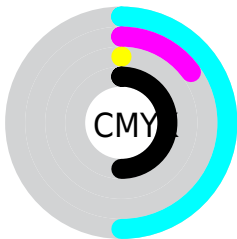
Blue (50%)



Red (25%)

Yellow (35%)

Blue (50%)

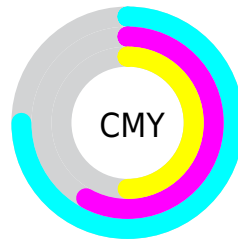


Cyan (50%)

Magenta (15%)

Yellow (0%)

Black (50%)



Cyan (75%)

Magenta (58%)

Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the RYB color 64, 90, 127 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, 90, 127 by changing the saturation by 10% instead.



64, 90, 127



64, 90, 127

255, 255, 255



38, 65, 102



116, 142, 180



6, 37, 78



142, 169, 207



0, 23, 55



170, 196, 236



0, 12, 34



198, 223, 255



0, 0, 9



226, 241, 255



0, 0, 0



64, 90, 127



64, 90, 127



51, 82, 127



77, 98, 127



39, 75, 127



89, 105, 127

■ 26, 68, 127

■ 102, 112, 127

■ 13, 60, 127

■ 115, 120, 127

■ 0, 52, 127

■ 128, 127, 127

■ 140, 133, 127

■ 153, 139, 127

■ 166, 142, 127

■ 178, 148, 127

Harmonies

Analogous

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



58, 85, 115



64, 90, 127



82, 97, 132

Triad

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



64, 90, 127



131, 92, 104



76, 106, 83

Complementary

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



64, 90, 127



127, 91, 64

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.



94, 115, 73



64, 90, 127



133, 92, 90

Square

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



64, 90, 127



120, 94, 119



127, 106, 78



82, 106, 109

Rectangle

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



64, 90, 127



96, 100, 131



127, 106, 78



74, 104, 74

Sweetspot

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



64, 90, 127



141, 151, 166



64, 113, 127



69, 75, 84



212, 212, 212



84, 84, 84

Same Dimension

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



64, 90, 127



66, 107, 166



64, 75, 127



57, 60, 64



0, 53, 128



0, 0, 0

Inverse Universe

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



127, 64, 108



166, 66, 136



82, 127, 64



64, 57, 62



128, 0, 90



0, 0, 0

Previews

White Background



This preview shows how the RYB color 64, 90, 127 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, 90, 127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

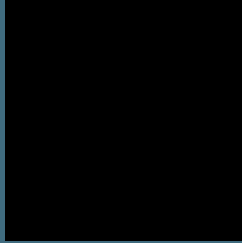
Any Text WCAG AA × Fail

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](#).

R Y B 64, 90, 127 Background



This preview shows how black text looks on a background with the R Y B color 64, 90, 127.

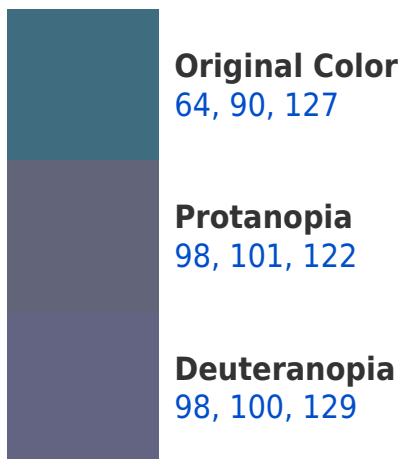


This preview shows how white text looks on a background with the R Y B color 64, 90, 127.

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
61, 88, 119

Trichromacy



Original Color

64, 90, 127

Protanomaly

86, 98, 124

Deuteranomaly

86, 98, 128

Tritanomaly

62, 88, 122

Monochromacy



Original Color

64, 90, 127

Achromatopsia

97, 97, 97

Achromatomaly

85, 94, 108

CSS Examples

Text

The CSS property to change the color of the text to RYB 64, 90, 127 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, 108, 127)` looks like.

```
.text, #text, p{  
    color:rgb(64, 108, 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, 108, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 108, 127) }
```

Border

The CSS property to change the border of an element to RYB 64, 90, 127 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, 108, 127) }
```

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

```
.border{ border-color:rgb(64, 108, 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, 108, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 108, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 108, 127);  
box-shadow:4px 4px 4px 4px rgb(64, 108,  
127) }
```

Background

The CSS property to change the background color of an element to RYB 64, 90, 127 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 108, 127) }
```

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

```
.background{ background-color: rgb(64, 108,  
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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