

Converting Colors

RYB(63, 64, 113)

Have a look what the booklet for
RYB(63, 64, 113) contains.

RYB(63, 64, 113)	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(63, 64, 113)

Conversions

Conversions Part 1

Format	Color
Hex	3F4071
RGB	63, 64, 113
RGB Percent	25%, 25%, 44%
CMY	0.7529, 0.7489, 0.5569
CMYK	0.44, 0.43, 0.00, 0.56
HSL	239°, 28%, 35%
HSV	239°, 44%, 44%
XYZ	6.8651, 5.9181, 16.4033
YIQ	69.2870, -16.3250, 15.0270

Conversions

Conversions Part 2

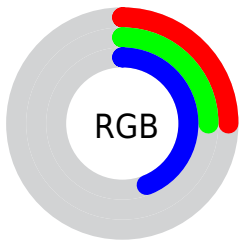
Format	Color
R_{YB}	63, 64, 113
Decimal	4145265
CIE Lab	29.20, 13.38, -28.48
CIE LCh	29, 31.466, 295.163
Yxy	5.9181, 0.2352, 0.2028
Android (android.graphics.Color)	4282335345 (0xFF3F4071)
YUV	69.2870, 21.5505, -5.5137
Hunter-Lab	24.3272, 7.7998, -22.9489

Details

The RYB color **63, 64, 113** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **64, 113, 63**, and the grayscale version is **69, 69, 69**.

A 20% lighter version of the original color is **113, 112, 165**, and **12, 20, 65** is the 20% darker color. If you saturate the color by 10%, you get **52, 53, 113**, and if you desaturate by 10%, it is **74, 75, 113**.

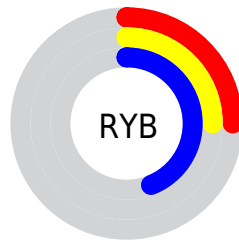
Distribution



Red (25%)

Green (25%)

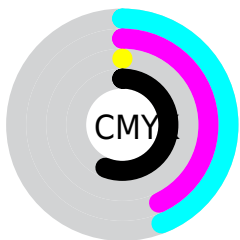
Blue (44%)



Red (25%)

Yellow (25%)

Blue (44%)

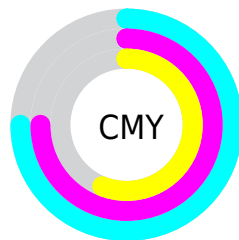


Cyan (44%)

Magenta (43%)

Yellow (0%)

Black (56%)



Cyan (75%)

Magenta (75%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 63, 64, 113 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 63, 64, 113 by changing the saturation by 10% instead.



63, 64, 113



63, 64, 113

255, 255, 255



39, 42, 88



113, 112, 165



12, 20, 65



140, 137, 192



0, 0, 43



166, 163, 220



0, 1, 21



194, 190, 249



0, 0, 0



222, 218, 255



251, 247, 255



63, 64, 113



63, 64, 113



52, 53, 113



74, 75, 113

■ 40, 42, 113

■ 86, 86, 113

■ 29, 31, 113

■ 97, 97, 113

■ 18, 20, 113

■ 108, 108, 113

■ 6, 9, 113

■ 113, 119, 113

■ 0, 2, 113

■ 114, 131, 113

■ 113, 142, 113

■ 113, 153, 113

■ 114, 165, 113

Harmonies

Analogous

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



0, 45, 117



63, 64, 113



95, 54, 97

Triad

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



63, 64, 113



103, 74, 29



0, 44, 80

Complementary

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



63, 64, 113



64, 113, 63

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.



31, 70, 78



63, 64, 113



45, 86, 17

Square

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



63, 64, 113



113, 49, 50



22, 74, 34



0, 42, 89

Rectangle

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



63, 64, 113



107, 49, 82



22, 74, 34



0, 47, 80

Sweetspot

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



63, 64, 113



129, 129, 148



63, 89, 113



62, 62, 74



201, 201, 201



74, 74, 74

Same Dimension

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



63, 64, 113



70, 71, 148



86, 63, 113



50, 51, 56



0, 2, 120



0, 5, 247

Inverse Universe

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



113, 63, 64



148, 70, 71



63, 113, 86



56, 50, 51



120, 0, 2



247, 0, 5

Previews

White Background



This preview shows how the RYB color 63, 64, 113 looks on a white background.

Color Contrast Check

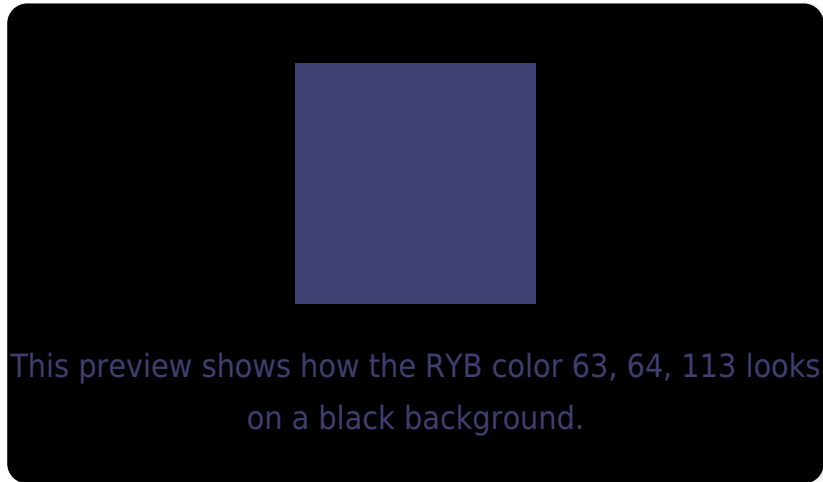
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

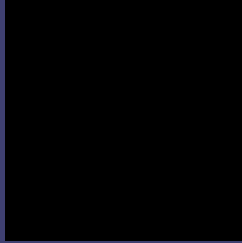
Any Text WCAG AA × Fail

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 63, 64, 113 Background



This preview shows how black text looks on a background with the RYB color 63, 64, 113.



This preview shows how white text looks on a background with the RYB color 63, 64, 113.

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

63, 64, 113

Protanopia

48, 63, 116

Deuteranopia

43, 62, 112



Tritanopia

54, 64, 78

Trichromacy



Original Color

63, 64, 113

Protanomaly

53, 64, 115

Deuteranomaly

50, 63, 112

Tritanomaly

57, 66, 91

Monochromacy



Original Color

63, 64, 113

Achromatopsia

69, 69, 69

Achromatomaly

67, 67, 85

CSS Examples

Text

The CSS property to change the color of the text to RYB 63, 64, 113 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(63, 64, 113) looks like.

```
.text, #text, p{  
    color:rgb(63, 64, 113)  
}
```

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(63, 64, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(63, 64, 113) }
```

Border

The CSS property to change the border of an element to RYB 63, 64, 113 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(63, 64, 113) }
```

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

```
.border{ border-color:rgb(63, 64, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(63, 64, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(63, 64, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(63, 64, 113);  
box-shadow:4px 4px 4px 4px rgb(63, 64,  
113) }
```

Background

The CSS property to change the background color of an element to RGB 63, 64, 113 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(63, 64, 113) }
```

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

```
.background{ background-color: rgb(63, 64,  
113) }
```

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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