Converting Colors

RYB(67, 74, 102)

Have a look what the booklet for RYB(67, 74, 102) contains.

RYB(67, 74, 102) 3
- ***Conversions*** 4
- ***Details*** 6
- ***Harmonies*** 11
- ***Previews*** 23
- ***Color Blindness Simulation*** 26
- ***CSS Examples*** 29

Color

RYB(67, 74, 102)

Conversions

Conversions Part 1

Format	Color
Hex	434C66
RGB	67, 76, 102
RGB Percent	26%, 30%, 40%
CMY	0.7373, 0.7029, 0.6000
CMYK	0.34, 0.26, 0.00, 0.60
HSL	225°, 21%, 33%
HSV	225°, 34%, 40%
XYZ	7.2803, 7.2871, 13.5932
YIQ	76.2730, -13.7100, 6.1780

Conversions

Conversions Part 2

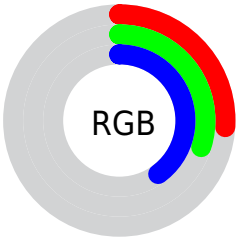
Format	Color
RYB	67, 74, 102
Decimal	4410470
CIELab	32.45, 3.50, -16.42
CIELCh	32, 16.789, 282.032
Yxy	7.2871, 0.2585, 0.2588
Android (android.graphics.Color)	4282600550 (0xFF434C66)
YUV	76.2730, 12.6834, -8.1324
Hunter-Lab	26.9946, 0.8996, -10.9594

Details

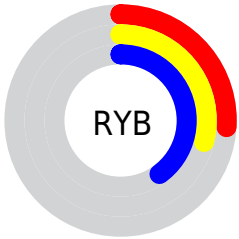
The RYB color 67, 74, 102 is a dark color, and the websafe version is hex 666699. A complement of this color would be 79, 102, 67, and the grayscale version is 76, 76, 76.

A 20% lighter version of the original color is 116, 123, 153, and 21, 29, 55 is the 20% darker color. If you saturate the color by 10%, you get 57, 66, 102, and if you desaturate by 10%, it is 77, 82, 102.

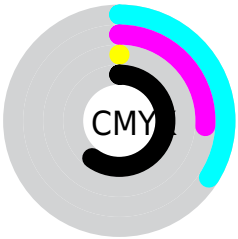
Distribution



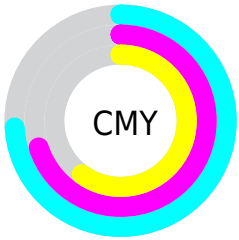
- Red (26%)
- Green (30%)
- Blue (40%)



- Red (26%)
- Yellow (29%)
- Blue (40%)



- Cyan (34%)
- Magenta (26%)
- Yellow (0%)
- Black (60%)



- Cyan (74%)
- Magenta (70%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the RYB color 67, 74, 102 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 67, 74, 102 by changing the saturation by 10% instead.

67, 74, 102

255, 255, 255

116, 123, 153

142, 149, 180

169, 176, 207

196, 203, 236

224, 230, 255

253, 254, 255

67, 74, 102

44, 51, 78

21, 29, 55

0, 6, 34

0, 0, 8

0, 0, 0

67, 74, 102

57, 66, 102

67, 74, 102

77, 82, 102

47, 58, 102

36, 50, 102

26, 41, 102

16, 34, 102

6, 25, 102

0, 21, 102

87, 90, 102

98, 99, 102

105, 108, 102

107, 118, 102

110, 128, 102

114, 138, 102

118, 149, 102

121, 159, 102

Harmonies

Analogous

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

48, 68, 101

67, 74, 102

85, 71, 96

Triad

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

67, 74, 102

101, 72, 59

50, 71, 83

Complementary

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

67, 74, 102

79, 102, 67

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.

56, 81, 71

67, 74, 102

89, 93, 51

Square

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

67, 74, 102

103, 67, 71

53, 80, 50

37, 61, 84

Rectangle

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

67, 74, 102

94, 68, 89

53, 80, 50

55, 75, 82

Sweetspot

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

67, 74, 102

119, 122, 133

67, 87, 102

58, 60, 66

194, 194, 194

66, 66, 66

Same Dimension

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

67, 74, 102

78, 89, 133

76, 67, 102

46, 47, 51

0, 23, 115

0, 49, 242

Inverse Universe

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

102, 67, 76

133, 78, 92

67, 102, 76

51, 46, 47

115, 0, 29

242, 0, 61

Previews

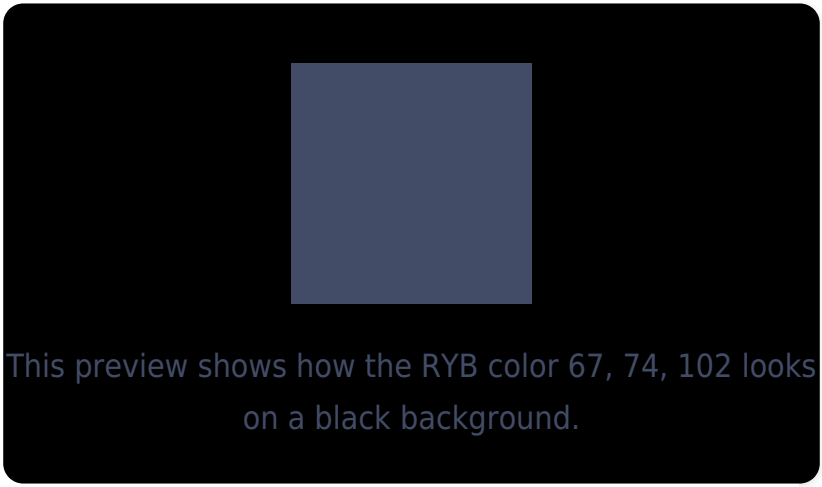
White Background

This preview shows how the RYB color 67, 74, 102 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



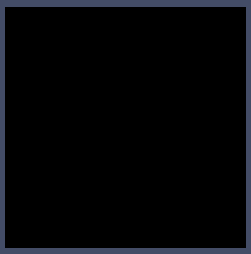
This preview shows how the RYB color 67, 74, 102 looks on a black background.

Color Contrast Check

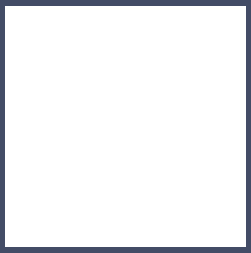
Large Text (above 18pt) WCAG AA × Fail
Any Text WCAG AA × Fail
Large Text (above 18pt) WCAG AAA × Fail
Any Text WCAG AAA × Fail

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

RYB 67, 74, 102 Background



This preview shows how black text looks on a background with the RYB color 67, 74, 102.



This preview shows how white text looks on a background with the RYB color 67, 74, 102.

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
67, 74, 102

Protanopia
69, 74, 102

Deuteranopia
69, 74, 102

Tritanopia
63, 72, 85

Trichromacy

Original Color
67, 74, 102

Protanomaly
68, 74, 102

Deuteranomaly
68, 74, 102

Tritanomaly
64, 73, 91

Monochromacy

Original Color
67, 74, 102

Achromatopsia
76, 76, 76

Achromatomaly
73, 75, 85

CSS Examples

Text

The CSS property to change the color of the text to RYB 67, 74, 102 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(67, 76, 102) looks like.

```
.text, #text, p{
    color:rgb(67, 76, 102)
}
```

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(67, 76, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 76, 102) }
```

Border

The CSS property to change the border of an element to RYB 67, 74, 102 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(67, 76, 102) }
```

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

```
.border{ border-color:rgb(67, 76, 102) }
```

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

Here you see how a box with a 4 pixel rgb(67, 76, 102) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(67, 76, 102); -webkit-box-shadow:4px 4px 4px 4px rgb(67, 76, 102); box-shadow:4px 4px 4px 4px rgb(67, 76, 102) }
```

Background

The CSS property to change the background color of an element to RYB 67, 74, 102 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{
background:rgb(67, 76, 102) }
```

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

```
.background{ background-color:rgb(67, 76,
102) }
```

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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