

Converting Colors

`RYB(50, 103, 88)`

Have a look what the booklet for
RYB(50, 103, 88) contains.

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Color

R_YB(50, 103, 88)

Conversions

Conversions Part 1

Format	Color
Hex	416732
RGB	65, 103, 50
RGB Percent	25%, 40%, 20%
CMY	0.7451, 0.5961, 0.8039
CMYK	0.37, 0.00, 0.51, 0.60
HSL	103°, 35%, 30%
HSV	103°, 51%, 40%
XYZ	7.6059, 11.0546, 4.7505
YIQ	85.5960, -5.6350, -24.5390

Conversions

Conversions Part 2

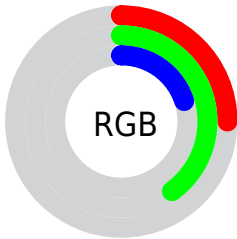
Format	Color
RYB	50, 103, 88
Decimal	4286258
CIELab	39.67, -24.50, 25.58
CIElCh	40, 35.421, 133.769
Yxy	11.0546, 0.3249, 0.4722
Android (android.graphics.Color)	4282476338 (0xFF416732)
YUV	85.5960, -17.5488, -18.0627
Hunter-Lab	33.2485, -17.3510, 14.8027

Details

The RYB color **50, 103, 88** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **88, 50, 103**, and the grayscale version is **86, 86, 86**.

A 20% lighter version of the original color is **98, 154, 137**, and **4, 56, 43** is the 20% darker color. If you saturate the color by 10%, you get **40, 103, 85**, and if you desaturate by 10%, it is **60, 103, 91**.

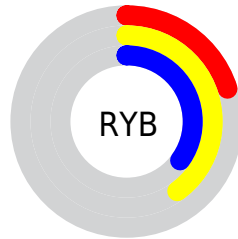
Distribution



Red (25%)

Green (40%)

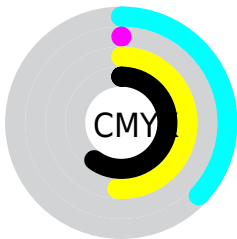
Blue (20%)



Red (20%)

Yellow (40%)

Blue (35%)

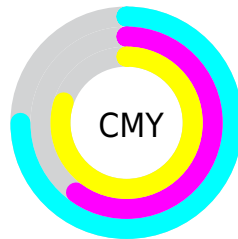


Cyan (37%)

Magenta (0%)

Yellow (51%)

Black (60%)



Cyan (75%)

Magenta (60%)

Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the RYB color 50, 103, 88 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 50, 103, 88 by changing the saturation by 10% instead.



50, 103, 88



50, 103, 88

255, 255, 255



28, 79, 66



98, 154, 137



4, 56, 43



123, 181, 163



0, 34, 34



149, 209, 190



0, 0, 0



176, 237, 217



203, 255, 234



232, 255, 234



50, 103, 88



50, 103, 88



40, 103, 85



60, 103, 91

■ 29, 103, 82

■ 71, 103, 94

■ 19, 103, 79

■ 81, 103, 97

■ 9, 103, 77

■ 91, 103, 99

■ 0, 103, 74

■ 102, 103, 103

■ 109, 103, 112

■ 117, 103, 122

■ 124, 103, 132

■ 131, 103, 143

Harmonies

Analogous

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



35, 97, 34



50, 103, 88



7, 66, 107

Triad

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



50, 103, 88



0, 60, 149



147, 69, 81

Complementary

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



50, 103, 88



88, 50, 103

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.



139, 71, 110



50, 103, 88



68, 87, 150

Square

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



50, 103, 88



0, 59, 133



113, 80, 135



141, 83, 55

Rectangle

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



50, 103, 88



0, 57, 108



113, 80, 135



146, 68, 91

Sweetspot

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



50, 103, 88



115, 135, 129



71, 103, 50



56, 69, 65



196, 196, 196



69, 69, 69

Same Dimension

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



50, 103, 88



51, 135, 111



50, 94, 103



46, 51, 50



0, 115, 83



0, 242, 173

Inverse Universe

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



88, 50, 103



111, 51, 135



103, 50, 92



50, 46, 51



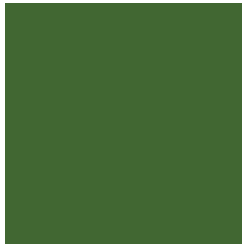
82, 0, 115



174, 0, 242

Previews

White Background



This preview shows how the RYB color 50, 103, 88 looks on a white background.

Color Contrast Check

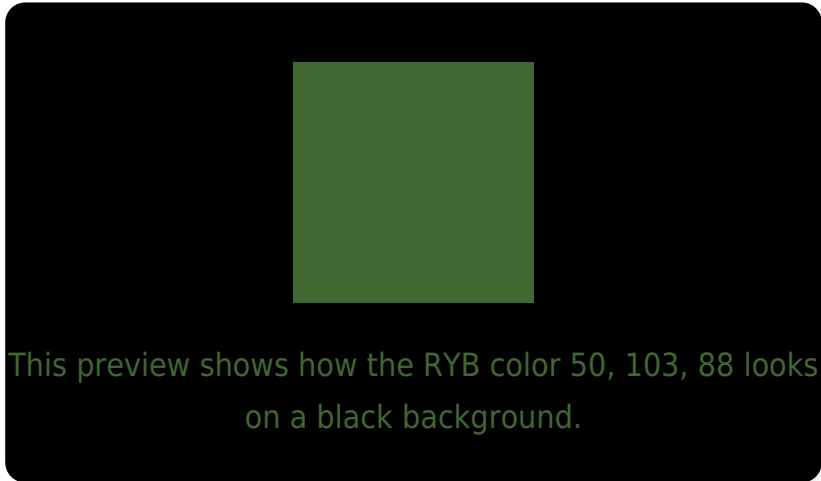
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



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](#).

RYP 50, 103, 88 Background



This preview shows how black text looks on a background with the RYP color 50, 103, 88.



This preview shows how white text looks on a background with the RYP color 50, 103, 88.

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

50, 103, 88

Protanopia

59, 103, 47

Deuteranopia

94, 113, 54



Tritanopia
74, 87, 105

Trichromacy



Original Color

50, 103, 88

Protanomaly

48, 97, 56

Deuteranomaly

55, 96, 53

Tritanomaly

71, 90, 99

Monochromacy



Original Color

50, 103, 88

Achromatopsia

86, 86, 86

Achromatomaly

73, 92, 87

CSS Examples

Text

The CSS property to change the color of the text to RYB 50, 103, 88 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(65, 103, 50)` looks like.

```
.text, #text, p{  
    color:rgb(65, 103, 50)  
}
```

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(65, 103, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 103, 50) }
```

Border

The CSS property to change the border of an element to RYB 50, 103, 88 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(65, 103, 50) }
```

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

```
.border{ border-color:rgb(65, 103, 50) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 103, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 103, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 103, 50);  
box-shadow:4px 4px 4px 4px rgb(65, 103,  
50) }
```

Background

The CSS property to change the background color of an element to RYB 50, 103, 88 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(65, 103, 50) }
```

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

```
.background{ background-color: rgb(65, 103,  
50) }
```

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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