

Converting Colors

`RYB(45, 103, 140)`

Have a look what the booklet for
RYB(45, 103, 140) contains.

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Color

`RYB(45, 103, 140)`

Conversions

Conversions Part 1

Format	Color
Hex	2D8C6A
RGB	45, 140, 106
RGB Percent	18%, 55%, 42%
CMY	0.8235, 0.4510, 0.5859
CMYK	0.68, 0.00, 0.25, 0.45
HSL	158°, 51%, 36%
HSV	158°, 68%, 55%
XYZ	13.0412, 20.3464, 16.7677
YIQ	107.7190, -45.7060, -30.7140

Conversions

Conversions Part 2

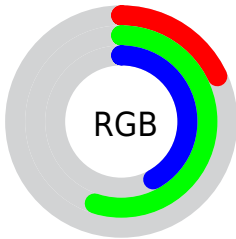
Format	Color
RYB	45, 103, 140
Decimal	2985066
CIELab	52.23, -36.19, 10.43
CIELCh	52, 37.666, 163.923
Yxy	20.3464, 0.2600, 0.4057
Android (android.graphics.Color)	4281175146 (0xFF2D8C6A)
YUV	107.7190, -0.8475, -55.0046
Hunter-Lab	45.1070, -27.3299, 9.5349

Details

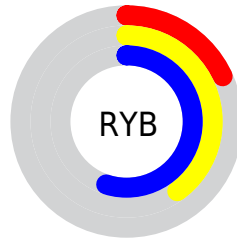
The RYB color **45, 103, 140** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **140, 45, 79**, and the grayscale version is **108, 108, 108**.

A 20% lighter version of the original color is **103, 160, 194**, and **0, 54, 89** is the 20% darker color. If you saturate the color by 10%, you get **31, 97, 140**, and if you desaturate by 10%, it is **59, 108, 140**.

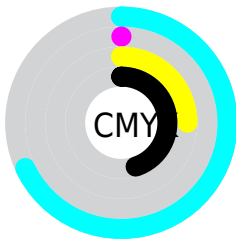
Distribution



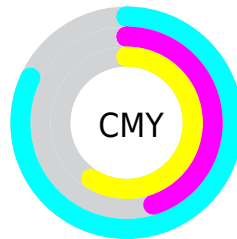
- Red (18%)
- Green (55%)
- Blue (42%)



- Red (18%)
- Yellow (40%)
- Blue (55%)



- Cyan (68%)
- Magenta (0%)
- Yellow (25%)
- Black (45%)



- Cyan (82%)
- Magenta (45%)
- Yellow (59%)

Brightness & Saturation Gradients

These gradients show how the RYB color 45, 103, 140 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 45, 103, 140 by changing the saturation by 10% instead.



45, 103, 140



45, 103, 140

255, 255, 255



1, 67, 114



103, 160, 194



0, 54, 89



130, 188, 222



0, 41, 65



158, 217, 251



0, 30, 42



187, 225, 255



0, 15, 15



216, 236, 255



0, 0, 0



245, 250, 255



45, 103, 140



45, 103, 140



31, 97, 140



59, 108, 140

■ 17, 92, 140

■ 73, 114, 140

■ 3, 87, 140

■ 87, 119, 140

■ 0, 86, 140

■ 101, 125, 140

■ 115, 130, 140

■ 129, 136, 140

■ 143, 140, 141

■ 157, 140, 146

■ 171, 140, 151

Harmonies

Analogous

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



77, 135, 118



45, 103, 140



0, 71, 141

Triad

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



45, 103, 140



99, 118, 187



179, 113, 81

Complementary

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



45, 103, 140



140, 45, 79

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.



186, 98, 111



45, 103, 140



147, 110, 171

Square

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



45, 103, 140



8, 81, 186



176, 100, 143



136, 159, 62

Rectangle

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



45, 103, 140



0, 75, 160



176, 100, 143



183, 104, 90

Sweetspot

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



45, 103, 140



145, 167, 181



45, 140, 105



70, 83, 92



219, 219, 219



92, 92, 92

Same Dimension

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



45, 103, 140



34, 124, 181



45, 89, 140



62, 66, 69



0, 81, 133



0, 3, 5

Inverse Universe

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



140, 45, 79



181, 34, 87



140, 60, 45



69, 62, 64



133, 0, 48



5, 0, 2

Previews

White Background



This preview shows how the RYB color 45, 103, 140 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 45, 103, 140 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

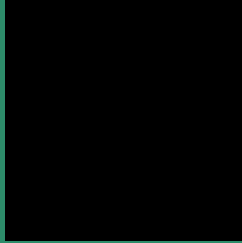
Any Text WCAG AA ✓ Pass

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](#).

RGB 45, 103, 140 Background



This preview shows how black text looks on a background with the RGB color 45, 103, 140.

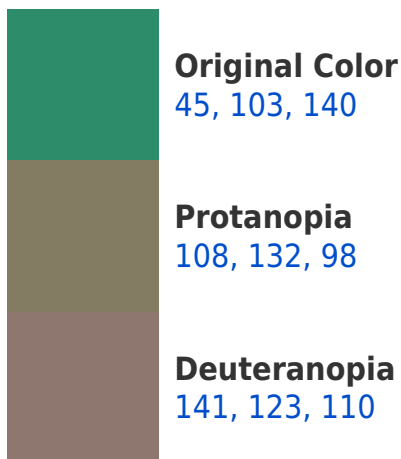


This preview shows how white text looks on a background with the RGB color 45, 103, 140.

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, 101, 146

Trichromacy



Original Color

45, 103, 140

Protanomaly

100, 129, 130

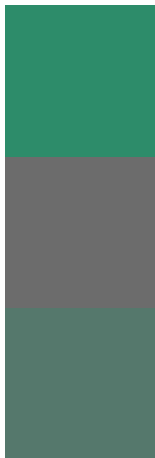
Deuteranomaly

106, 125, 127

Tritanomaly

55, 98, 137

Monochromacy



Original Color

45, 103, 140

Achromatopsia

108, 108, 108

Achromatomaly

85, 106, 120

CSS Examples

Text

The CSS property to change the color of the text to RYB 45, 103, 140 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(45, 140, 106)` looks like.

```
.text, #text, p{  
    color:rgb(45, 140, 106)  
}
```

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(45, 140, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(45, 140, 106) }
```

Border

The CSS property to change the border of an element to RYB 45, 103, 140 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(45, 140, 106) }
```

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

```
.border{ border-color:rgb(45, 140, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(45, 140, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(45, 140, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(45, 140, 106);  
box-shadow:4px 4px 4px 4px rgb(45, 140,  
106) }
```

Background

The CSS property to change the background color of an element to RYB 45, 103, 140 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(45, 140, 106) }
```

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

```
.background{ background-color: rgb(45, 140,  
106) }
```

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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