

Converting Colors

`RYB(52, 116, 133)`

Have a look what the booklet for
RYB(52, 116, 133) contains.

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Color

`RYB(52, 116, 133)`

Conversions

Conversions Part 1

Format	Color
Hex	34854A
RGB	52, 133, 74
RGB Percent	20%, 52%, 29%
CMY	0.7961, 0.4784, 0.7117
CMYK	0.61, 0.00, 0.45, 0.48
HSL	136°, 44%, 36%
HSV	136°, 61%, 52%
XYZ	11.0235, 17.9930, 9.2853
YIQ	102.0550, -29.3370, -35.5210

Conversions

Conversions Part 2

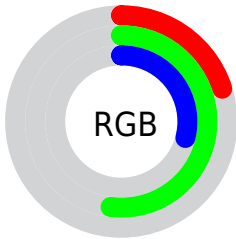
Format	Color
RYB	52, 116, 133
Decimal	3441994
CIELab	49.49, -38.44, 24.88
CIELCh	49, 45.787, 147.089
Yxy	17.9930, 0.2878, 0.4698
Android (android.graphics.Color)	4281632074 (0xFF34854A)
YUV	102.0550, -13.8311, -43.8982
Hunter-Lab	42.4182, -27.8440, 16.7142

Details

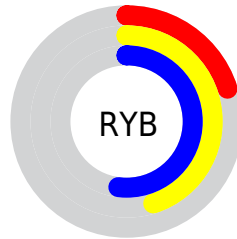
The RYB color **52, 116, 133** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **133, 52, 111**, and the grayscale version is **102, 102, 102**.

A 20% lighter version of the original color is **107, 173, 187**, and **0, 61, 82** is the 20% darker color. If you saturate the color by 10%, you get **39, 113, 133**, and if you desaturate by 10%, it is **65, 119, 133**.

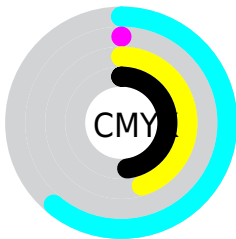
Distribution



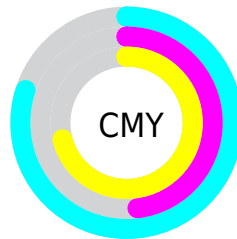
- Red (20%)
- Green (52%)
- Blue (29%)



- Red (20%)
- Yellow (45%)
- Blue (52%)



- Cyan (61%)
- Magenta (0%)
- Yellow (45%)
- Black (48%)





- Cyan (80%)
- Magenta (48%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the RYB color 52, 116, 133 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 52, 116, 133 by changing the saturation by 10% instead.

 52, 116, 133

 52, 116, 133

255, 255, 255

 20, 85, 107


 107, 174, 187

 0, 61, 82

 134, 202, 215

 0, 54, 58

 161, 231, 244


 0, 38, 38


 190, 243, 255


 0, 0, 0


 218, 245, 255

 248, 252, 255

 52, 116, 133

 52, 116, 133

 39, 113, 133

 65, 119, 133

■ 25, 110, 133

■ 79, 122, 133

■ 12, 108, 133

■ 92, 124, 133

■ 0, 105, 133

■ 105, 127, 133

■ 119, 131, 133

■ 132, 133, 133

■ 145, 133, 142

■ 158, 133, 152

■ 172, 133, 161

Harmonies

Analogous

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



44, 126, 66



52, 116, 133



0, 75, 136

Triad

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



52, 116, 133



0, 75, 195



188, 86, 85

Complementary

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



52, 116, 133



133, 52, 111

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, 83, 123



52, 116, 133



112, 109, 187

Square

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



52, 116, 133



0, 77, 182



161, 93, 160



171, 131, 53

Rectangle

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



52, 116, 133



0, 69, 139



161, 93, 160



189, 84, 97

Sweetspot

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



52, 116, 133



142, 167, 173



52, 133, 72



68, 83, 87



214, 214, 214



87, 87, 87

Same Dimension

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



52, 116, 133



47, 147, 173



52, 98, 133



60, 65, 66



0, 102, 130



0, 2, 3

Inverse Universe

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



133, 52, 111



173, 47, 140



133, 52, 72



66, 60, 65



130, 0, 96



3, 0, 2

Previews

White Background



This preview shows how the RYB color 52, 116, 133 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 52, 116, 133 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

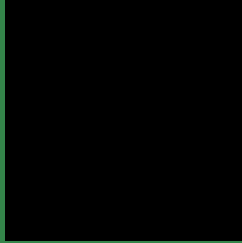
Any Text WCAG AA ✓ Pass

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 52, 116, 133 Background



This preview shows how black text looks on a background with the RGB color 52, 116, 133.



This preview shows how white text looks on a background with the RGB color 52, 116, 133.

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
52, 116, 133

Protanopia
81, 128, 68

Deuteranopia
131, 140, 79



Tritanopia
70, 100, 136

Trichromacy



Original Color
52, 116, 133

Protanomaly
70, 123, 93

Deuteranomaly
77, 120, 89

Tritanomaly
63, 101, 129

Monochromacy



Original Color
52, 116, 133

Achromatopsia
102, 102, 102

Achromatomaly
84, 107, 113

CSS Examples

Text

The CSS property to change the color of the text to RYB 52, 116, 133 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(52, 133, 74)` looks like.

```
.text, #text, p{  
    color:rgb(52, 133, 74)  
}
```

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(52, 133, 74) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 133, 74) }
```

Border

The CSS property to change the border of an element to RYB 52, 116, 133 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(52, 133, 74) }
```

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

```
.border{ border-color:rgb(52, 133, 74) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 133, 74)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 133, 74); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 133, 74);  
box-shadow:4px 4px 4px 4px rgb(52, 133,  
74) }
```

Background

The CSS property to change the background color of an element to RGB 52, 133, 74 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 133, 74) }
```

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

```
.background{ background-color: rgb(52, 133,  
74) }
```

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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