

Converting Colors

`RYB(52, 91, 116)`

Have a look what the booklet for
RYB(52, 91, 116) contains.

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Color

R_YB(52, 91, 116)

Conversions

Conversions Part 1

Format	Color
Hex	34745D
RGB	52, 116, 93
RGB Percent	20%, 45%, 36%
CMY	0.7961, 0.5451, 0.6352
CMYK	0.55, 0.00, 0.20, 0.55
HSL	158°, 38%, 33%
HSV	158°, 55%, 45%
XYZ	9.6385, 14.0116, 12.5584
YIQ	94.2420, -30.7610, -20.7210

Conversions

Conversions Part 2

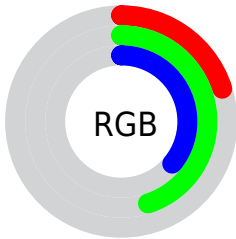
Format	Color
RYB	52, 91, 116
Decimal	3437661
CIELab	44.25, -26.53, 6.52
CIELCh	44, 27.324, 166.185
Yxy	14.0116, 0.2662, 0.3870
Android (android.graphics.Color)	4281627741 (0xFF34745D)
YUV	94.2420, -0.6123, -37.0462
Hunter-Lab	37.4321, -19.5437, 6.3108

Details

The RYB color **52, 91, 116** is a dark color, and the websafe version is hex **006666**. A complement of this color would be **116, 52, 75**, and the grayscale version is **94, 94, 94**.

A 20% lighter version of the original color is **104, 144, 168**, and **0, 39, 67** is the 20% darker color. If you saturate the color by 10%, you get **40, 86, 116**, and if you desaturate by 10%, it is **64, 96, 116**.

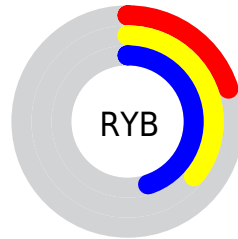
Distribution



Red (20%)

Green (45%)

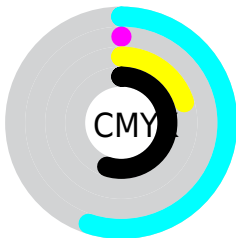
Blue (36%)



Red (20%)

Yellow (36%)

Blue (45%)

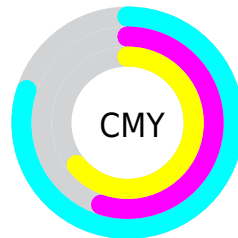


Cyan (55%)

Magenta (0%)

Yellow (20%)

Black (55%)



Cyan (80%)

Magenta (55%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the RYB color 52, 91, 116 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, 91, 116 by changing the saturation by 10% instead.



52, 91, 116



52, 91, 116

255, 255, 255



24, 64, 91



104, 144, 168



0, 39, 67



130, 171, 196



0, 28, 44



157, 199, 224



0, 23, 23



185, 228, 253



0, 0, 0



213, 234, 255



242, 249, 255



52, 91, 116



52, 91, 116



40, 86, 116



64, 96, 116

■ 29, 82, 116

■ 75, 100, 116

■ 17, 77, 116

■ 87, 105, 116

■ 6, 73, 116

■ 98, 109, 116

■ 0, 71, 116

■ 110, 114, 116

■ 122, 116, 118

■ 133, 116, 122

■ 145, 116, 126

■ 156, 116, 131

Harmonies

Analogous

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



72, 113, 103



52, 91, 116



13, 65, 117

Triad

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



52, 91, 116



91, 101, 148



144, 99, 73

Complementary

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



52, 91, 116



116, 52, 75

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.



149, 87, 93



52, 91, 116



123, 94, 136

Square

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



52, 91, 116



52, 88, 148



142, 88, 116



112, 129, 61

Rectangle

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



52, 91, 116



0, 62, 131



142, 88, 116



147, 92, 79

Sweetspot

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



52, 91, 116



125, 140, 150



52, 116, 93



61, 71, 77



204, 204, 204



77, 77, 77

Same Dimension

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



52, 91, 116



51, 111, 150



52, 82, 116



53, 57, 59



0, 74, 122



0, 152, 250

Inverse Universe

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



116, 52, 75



150, 51, 87



116, 62, 52



59, 53, 55



122, 0, 44



250, 0, 90

Previews

White Background



This preview shows how the RYB color 52, 91, 116 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, 91, 116 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

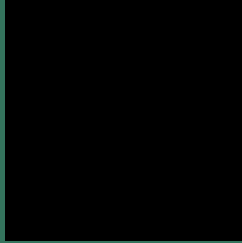
Any Text WCAG AA × Fail

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](#).

R Y B 52, 91, 116 Background



This preview shows how black text looks on a background with the R Y B color 52, 91, 116.

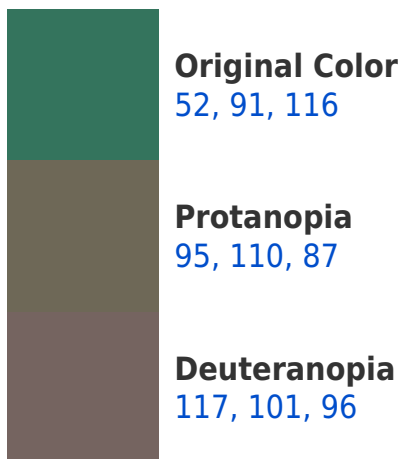


This preview shows how white text looks on a background with the R Y B color 52, 91, 116.

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, 89, 121

Trichromacy



Original Color

52, 91, 116

Protanomaly

89, 108, 108

Deuteranomaly

93, 104, 106

Tritanomaly

58, 86, 113

Monochromacy



Original Color

52, 91, 116

Achromatopsia

94, 94, 94

Achromatomaly

79, 93, 102

CSS Examples

Text

The CSS property to change the color of the text to RYB 52, 91, 116 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, 116, 93)` looks like.

```
.text, #text, p{  
    color:rgb(52, 116, 93)  
}
```

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, 116, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 116, 93) }
```

Border

The CSS property to change the border of an element to RYB 52, 91, 116 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, 116, 93) }
```

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

```
.border{ border-color:rgb(52, 116, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(52, 116, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 116, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 116, 93);  
box-shadow:4px 4px 4px 4px rgb(52, 116,  
93) }
```

Background

The CSS property to change the background color of an element to RGB 52, 91, 116 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 116, 93) }
```

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

```
.background{ background-color: rgb(52, 116,  
93) }
```

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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