

Converting Colors

`RYB(44, 115, 152)`

Have a look what the booklet for
RYB(44, 115, 152) contains.

RYB(44, 115, 152)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	11
<i>Previews</i>	23
<i>Color Blindness Simulation</i>	26
<i>CSS Examples</i>	29

Color

R_YB(44, 115, 152)

Conversions

Conversions Part 1

Format	Color
Hex	2C9864
RGB	44, 152, 100
RGB Percent	17%, 60%, 39%
CMY	0.8275, 0.4039, 0.6067
CMYK	0.71, 0.00, 0.34, 0.40
HSL	151°, 55%, 38%
HSV	151°, 71%, 60%
XYZ	14.5809, 23.9175, 15.9762
YIQ	113.7800, -47.6760, -39.0680

Conversions

Conversions Part 2

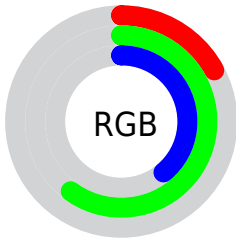
Format	Color
R_{YB}	44, 115, 152
Decimal	2922596
CIE _{Lab}	56.01, -42.71, 18.66
CIE _{LCh}	56, 46.604, 156.399
Yxy	23.9175, 0.2677, 0.4391
Android (android.graphics.Color)	4281112676 (0xFF2C9864)
YUV	113.7800, -6.7935, -61.1971
Hunter-Lab	48.9055, -32.3661, 14.8653

Details

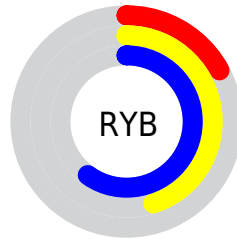
The RYB color **44, 115, 152** is a dark color, and the websafe version is hex **339966**. A complement of this color would be **152, 44, 96**, and the grayscale version is **114, 114, 114**.

A 20% lighter version of the original color is **104, 175, 207**, and **0, 65, 100** is the 20% darker color. If you saturate the color by 10%, you get **29, 110, 152**, and if you desaturate by 10%, it is **59, 120, 152**.

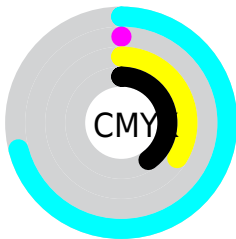
Distribution



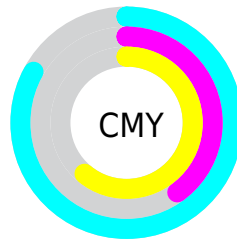
- Red (17%)
- Green (60%)
- Blue (39%)



- Red (17%)
- Yellow (45%)
- Blue (60%)



- Cyan (71%)
- Magenta (0%)
- Yellow (34%)
- Black (40%)



- Cyan (83%)
- Magenta (40%)
- Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the RYB color 44, 115, 152 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 44, 115, 152 by changing the saturation by 10% instead.



44, 115, 152



44, 115, 152

255, 255, 255



0, 79, 126



104, 175, 207



0, 65, 100



132, 204, 236



0, 53, 75



161, 225, 255



0, 43, 51



190, 229, 255



0, 29, 29



219, 237, 255



0, 0, 0



249, 252, 255



44, 115, 152



44, 115, 152



29, 110, 152



59, 120, 152

■ 14, 105, 152

■ 74, 125, 152

■ 0, 100, 152

■ 90, 131, 152

■ 105, 136, 152

■ 120, 141, 152

■ 135, 146, 152

■ 150, 151, 152

■ 166, 152, 159

■ 181, 152, 166

Harmonies

Analogous

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



66, 146, 106



44, 115, 152



0, 80, 154

Triad

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



44, 115, 152



75, 117, 215



205, 109, 88

Complementary

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



44, 115, 152



152, 44, 96

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.



209, 99, 127



44, 115, 152



148, 120, 200

Square

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



44, 115, 152



0, 86, 208



191, 105, 167



183, 179, 59

Rectangle

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



44, 115, 152



0, 81, 169



191, 105, 167



208, 102, 101

Sweetspot

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



44, 115, 152



155, 182, 196



44, 152, 100



75, 91, 99



227, 227, 227



99, 99, 99

Same Dimension

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



44, 115, 152



29, 139, 196



44, 97, 152



69, 74, 77



0, 92, 140



0, 8, 13

Inverse Universe

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



152, 44, 96



196, 29, 109



152, 46, 44



77, 69, 73



140, 0, 67



13, 0, 6

Previews

White Background



This preview shows how the RYB color 44, 115, 152 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 44, 115, 152 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](#).

RYB 44, 115, 152 Background



This preview shows how black text looks on a background with the RYB color 44, 115, 152.

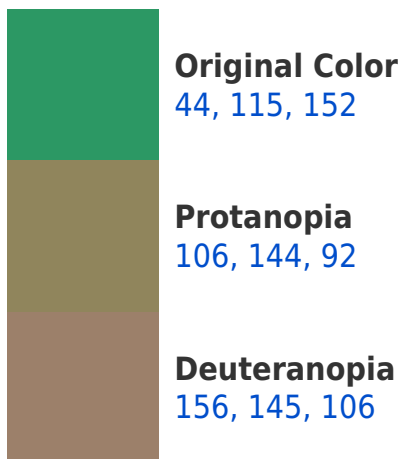


This preview shows how white text looks on a background with the RYB color 44, 115, 152.

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
67, 109, 157

Trichromacy



Original Color

44, 115, 152

Protanomaly

95, 140, 127

Deuteranomaly

104, 137, 126

Tritanomaly

59, 107, 148

Monochromacy



Original Color

44, 115, 152

Achromatopsia

114, 114, 114

Achromatomaly

89, 115, 128

CSS Examples

Text

The CSS property to change the color of the text to RYB 44, 115, 152 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(44, 152, 100)` looks like.

```
.text, #text, p{  
    color:rgb(44, 152, 100)  
}
```

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(44, 152, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(44, 152, 100) }
```

Border

The CSS property to change the border of an element to RYB 44, 115, 152 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(44, 152, 100) }
```

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

```
.border{ border-color:rgb(44, 152, 100) }
```

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

Here you see how a box with a 4 pixel rgb(44, 152, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(44, 152, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(44, 152, 100);  
box-shadow:4px 4px 4px 4px rgb(44, 152,  
100) }
```

Background

The CSS property to change the background color of an element to RYB 44, 115, 152 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(44, 152, 100) }
```

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

```
.background{ background-color: rgb(44, 152,  
100) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor