

Converting Colors

`RYB(68, 100, 125)`

Have a look what the booklet for
RYB(68, 100, 125) contains.

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Color

`RYB(68, 100, 125)`

Conversions

Conversions Part 1

Format	Color
Hex	447D71
RGB	68, 125, 113
RGB Percent	27%, 49%, 44%
CMY	0.7333, 0.5098, 0.5587
CMYK	0.46, 0.00, 0.10, 0.51
HSL	167°, 30%, 38%
HSV	167°, 46%, 49%
XYZ	12.6718, 17.0779, 18.1133
YIQ	106.5890, -30.1200, -15.8160

Conversions

Conversions Part 2

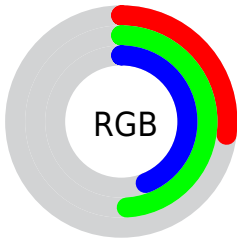
Format	Color
RYB	68, 100, 125
Decimal	4488561
CIELab	48.36, -21.98, 0.97
CIELCh	48, 21.998, 177.482
Yxy	17.0779, 0.2648, 0.3568
Android (android.graphics.Color)	4282678641 (0xFF447D71)
YUV	106.5890, 3.1606, -33.8426
Hunter-Lab	41.3254, -17.5851, 2.9405

Details

The RYB color **68, 100, 125** is a dark color, and the websafe version is hex **336666**. A complement of this color would be **125, 68, 80**, and the grayscale version is **107, 107, 107**.

A 20% lighter version of the original color is **120, 153, 178**, and **13, 48, 76** is the 20% darker color. If you saturate the color by 10%, you get **56, 95, 125**, and if you desaturate by 10%, it is **81, 106, 125**.

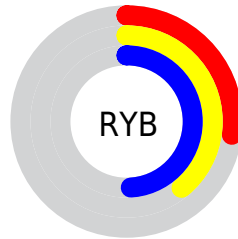
Distribution



Red (27%)

Green (49%)

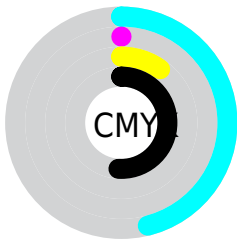
Blue (44%)



Red (27%)

Yellow (39%)

Blue (49%)

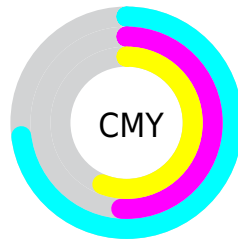


Cyan (46%)

Magenta (0%)

Yellow (10%)

Black (51%)



Cyan (73%)

Magenta (51%)

Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the RYB color 68, 100, 125 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 68, 100, 125 by changing the saturation by 10% instead.



68, 100, 125



68, 100, 125

255, 255, 255



42, 74, 100



120, 153, 178



14, 48, 76



146, 180, 206



0, 29, 53



174, 208, 234



0, 19, 32



202, 230, 255



0, 0, 0



230, 243, 255



68, 100, 125



68, 100, 125



56, 95, 125



81, 106, 125



43, 89, 125



93, 111, 125

■ 31, 84, 125

■ 106, 117, 125

■ 18, 78, 125

■ 118, 122, 125

■ 6, 73, 125

■ 131, 125, 126

■ 0, 70, 125

■ 143, 125, 129

■ 155, 125, 132

■ 168, 125, 134

■ 180, 125, 137

Harmonies

Analogous

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



89, 119, 123



68, 100, 125



56, 92, 131

Triad

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



68, 100, 125



115, 111, 148



144, 121, 84

Complementary

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



68, 100, 125



125, 68, 80

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.



152, 102, 99



68, 100, 125



137, 104, 135

Square

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



68, 100, 125



88, 108, 152



150, 101, 117



101, 129, 78

Rectangle

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



68, 100, 125



59, 95, 142



150, 101, 117



148, 112, 88

Sweetspot

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



68, 100, 125



140, 153, 163



68, 125, 112



68, 76, 82



209, 209, 209



82, 82, 82

Same Dimension

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



68, 100, 125



73, 123, 163



68, 92, 125



57, 61, 64



0, 72, 128



0, 0, 0

Inverse Universe

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



125, 68, 80



163, 73, 93



125, 88, 68



64, 57, 59



128, 0, 28



0, 0, 0

Previews

White Background



This preview shows how the RYB color 68, 100, 125 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 68, 100, 125 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

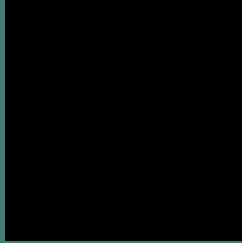
Any Text WCAG AA × Fail

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](#).

RYB 68, 100, 125 Background



This preview shows how black text looks on a background with the RYB color 68, 100, 125.

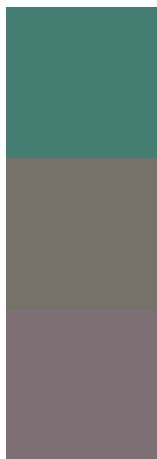


This preview shows how white text looks on a background with the RYB color 68, 100, 125.

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

68, 100, 125

Protanopia

112, 118, 106

Deuteranopia

125, 111, 116



Tritanopia
74, 100, 132

Trichromacy



Original Color

68, 100, 125

Protanomaly

100, 112, 118

Deuteranomaly

104, 110, 116

Tritanomaly

72, 98, 125

Monochromacy



Original Color

68, 100, 125

Achromatopsia

107, 107, 107

Achromatomaly

93, 105, 114

CSS Examples

Text

The CSS property to change the color of the text to RYB 68, 100, 125 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(68, 125, 113)` looks like.

```
.text, #text, p{  
    color:rgb(68, 125, 113)  
}
```

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(68, 125, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(68, 125, 113) }
```

Border

The CSS property to change the border of an element to RYB 68, 100, 125 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(68, 125, 113) }
```

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

```
.border{ border-color:rgb(68, 125, 113) }
```

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

Here you see how a box with a 4 pixel `rgb(68, 125, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(68, 125, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(68, 125, 113);  
box-shadow:4px 4px 4px 4px rgb(68, 125,  
113) }
```

Background

The CSS property to change the background color of an element to RYB 68, 100, 125 is called "background".

The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(68, 125, 113) }
```

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

```
.background{ background-color: rgb(68, 125,  
113) }
```

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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