

Converting Colors

`RYB(72, 109, 123)`

Have a look what the booklet for
RYB(72, 109, 123) contains.

RYB(72, 109, 123)	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

`RYB(72, 109, 123)`

Conversions

Conversions Part 1

Format	Color
Hex	487B5B
RGB	72, 123, 91
RGB Percent	28%, 48%, 36%
CMY	0.7176, 0.5176, 0.6420
CMYK	0.41, 0.00, 0.26, 0.52
HSL	143°, 26%, 38%
HSV	143°, 41%, 48%
XYZ	11.6566, 16.3041, 12.4975
YIQ	104.1030, -20.1240, -20.7640

Conversions

Conversions Part 2

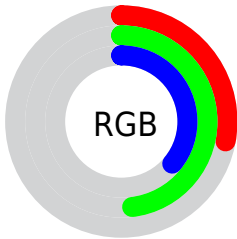
Format	Color
RYB	72, 109, 123
Decimal	4750171
CIELab	47.37, -24.73, 12.06
CIELCh	47, 27.519, 154.000
Yxy	16.3041, 0.2881, 0.4030
Android (android.graphics.Color)	4282940251 (0xFF487B5B)
YUV	104.1030, -6.4598, -28.1543
Hunter-Lab	40.3783, -19.1318, 9.9139

Details

The RYB color **72, 109, 123** is a dark color, and the websafe version is hex **336633**. A complement of this color would be **123, 72, 104**, and the grayscale version is **104, 104, 104**.

A 20% lighter version of the original color is **123, 163, 176**, and **22, 58, 74** is the 20% darker color. If you saturate the color by 10%, you get **60, 106, 123**, and if you desaturate by 10%, it is **84, 112, 123**.

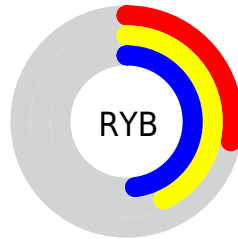
Distribution



Red (28%)

Green (48%)

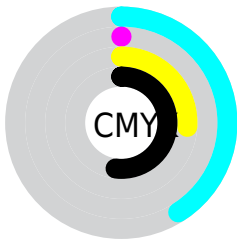
Blue (36%)



Red (28%)

Yellow (43%)

Blue (48%)

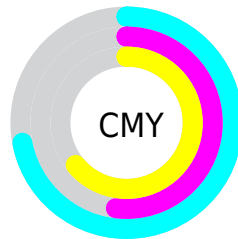


Cyan (41%)

Magenta (0%)

Yellow (26%)

Black (52%)



Cyan (72%)


Magenta (52%)

Yellow (64%)

Brightness & Saturation Gradients

These gradients show how the RYB color 72, 109, 123 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 72, 109, 123 by changing the saturation by 10% instead.

 72, 109, 123

255, 255, 255


 123, 162, 176

 149, 189, 203

 177, 218, 232

 204, 241, 255

 233, 245, 255


 72, 109, 123


 47, 83, 98


 22, 58, 74


 0, 35, 51


 0, 31, 31


 0, 0, 0


 72, 109, 123

 60, 106, 123

 47, 102, 123

 72, 109, 123

 84, 112, 123

 97, 116, 123

■ 35, 99, 123

■ 109, 119, 123

■ 23, 95, 123

■ 121, 122, 123

■ 10, 92, 123

■ 133, 123, 130

■ 0, 89, 123

■ 146, 123, 137

■ 158, 123, 145

■ 170, 123, 152

■ 183, 123, 160

Harmonies

Analogous

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



73, 119, 92



72, 109, 123



40, 85, 125

Triad

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



72, 109, 123



84, 105, 158



156, 98, 88

Complementary

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



72, 109, 123



123, 72, 104

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.



156, 94, 110



72, 109, 123



119, 105, 151

Square

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



72, 109, 123



43, 88, 153



144, 98, 133



144, 131, 71

Rectangle

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



72, 109, 123



19, 73, 130



144, 98, 133



157, 95, 95

Sweetspot

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



72, 109, 123



141, 155, 161



72, 123, 91



70, 79, 82



209, 209, 209



82, 82, 82

Same Dimension

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



72, 109, 123



80, 139, 161



72, 99, 123



55, 60, 61



0, 91, 125



0, 182, 252

Inverse Universe

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



123, 72, 104



161, 80, 130



123, 72, 79



61, 55, 59



125, 0, 78



252, 0, 157

Previews

White Background



This preview shows how the RYB color 72, 109, 123 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 72, 109, 123 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

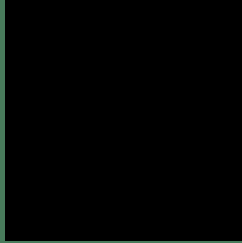
Any Text WCAG AA × Fail

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 72, 109, 123 Background



This preview shows how black text looks on a background with the R Y B color 72, 109, 123.



This preview shows how white text looks on a background with the R Y B color 72, 109, 123.

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

72, 109, 123

Protanopia

95, 119, 86

Deuteranopia

129, 116, 95



Tritanopia
80, 101, 128

Trichromacy



Original Color

72, 109, 123

Protanomaly

88, 116, 102

Deuteranomaly

94, 113, 99

Tritanomaly

77, 100, 120

Monochromacy



Original Color

72, 109, 123

Achromatopsia

104, 104, 104

Achromatomaly

92, 106, 111

CSS Examples

Text

The CSS property to change the color of the text to RYB 72, 109, 123 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(72, 123, 91)` looks like.

```
.text, #text, p{  
    color:rgb(72, 123, 91)  
}
```

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(72, 123, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(72, 123, 91) }
```

Border

The CSS property to change the border of an element to RYB 72, 109, 123 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(72, 123, 91) }
```

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

```
.border{ border-color:rgb(72, 123, 91) }
```

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

Here you see how a box with a 4 pixel rgb(72, 123, 91) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(72, 123, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(72, 123, 91);  
box-shadow:4px 4px 4px 4px rgb(72, 123,  
91) }
```

Background

The CSS property to change the background color of an element to RGB 72, 109, 123 is called "background".

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

```
.background, #background, body{  
background: rgb(72, 123, 91) }
```

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

```
.background{ background-color: rgb(72, 123,  
91) }
```

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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