

Converting Colors

`RYB(85, 114, 109)`

Have a look what the booklet for
RYB(85, 114, 109) contains.

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Color

`RYB(85, 114, 109)`

Conversions

Conversions Part 1

Format	Color
Hex	5A7255
RGB	90, 114, 85
RGB Percent	35%, 45%, 33%
CMY	0.6471, 0.5529, 0.6667
CMYK	0.21, 0.00, 0.25, 0.55
HSL	110°, 15%, 39%
HSV	110°, 25%, 45%
XYZ	11.8735, 14.8642, 10.8376
YIQ	103.5180, -4.9950, -14.1070

Conversions

Conversions Part 2

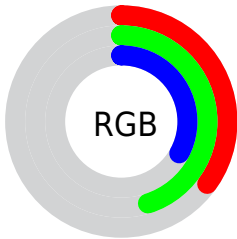
Format	Color
RYB	85, 114, 109
Decimal	5927509
CIELab	45.45, -14.91, 13.26
CIELCh	45, 19.953, 138.364
Yxy	14.8642, 0.3160, 0.3956
Android (android.graphics.Color)	4284117589 (0xFF5A7255)
YUV	103.5180, -9.1294, -11.8553
Hunter-Lab	38.5541, -12.4972, 10.3213

Details

The RYB color **85, 114, 109** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **109, 85, 114**, and the grayscale version is **104, 104, 104**.

A 20% lighter version of the original color is **135, 166, 160**, and **40, 66, 62** is the 20% darker color. If you saturate the color by 10%, you get **74, 114, 107**, and if you desaturate by 10%, it is **96, 114, 111**.

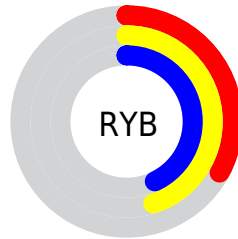
Distribution



Red (35%)

Green (45%)

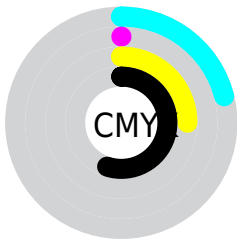
Blue (33%)



Red (33%)

Yellow (45%)

Blue (43%)

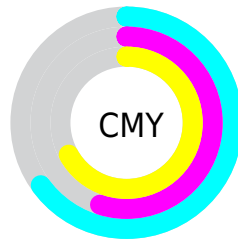


Cyan (21%)

Magenta (0%)

Yellow (25%)

Black (55%)



Cyan (65%)

Magenta (55%)

Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the RYB color 85, 114, 109 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 85, 114, 109 by changing the saturation by 10% instead.



85, 114, 109



85, 114, 109

255, 255, 255



62, 89, 85



135, 166, 160



40, 66, 62



161, 193, 187



19, 44, 41



188, 221, 215



0, 24, 24



216, 250, 244



0, 0, 0



244, 255, 248



85, 114, 109



85, 114, 109



74, 114, 107



96, 114, 111



62, 114, 105



108, 114, 113

■ 51, 114, 103

■ 118, 114, 119

■ 39, 114, 101

■ 128, 114, 131

■ 28, 114, 99

■ 137, 114, 142

■ 17, 114, 98

■ 147, 114, 153

■ 5, 114, 95

■ 156, 114, 165

■ 0, 114, 94

■ 165, 114, 176

■ 175, 114, 188

Harmonies

Analogous

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



76, 110, 77



85, 114, 109



71, 98, 116

Triad

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



85, 114, 109



77, 99, 140



141, 96, 98

Complementary

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



85, 114, 109



109, 85, 114

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.



136, 96, 115



85, 114, 109



101, 105, 139

Square

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



85, 114, 109



59, 91, 132



122, 100, 130



137, 106, 83

Rectangle

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



85, 114, 109



61, 90, 117



122, 100, 130



141, 95, 103

Sweetspot

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



85, 114, 109



136, 148, 146



91, 114, 85



67, 74, 73



201, 201, 201



74, 74, 74

Same Dimension

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



85, 114, 109



102, 148, 140



85, 107, 114



50, 56, 55



0, 120, 99



0, 247, 204

Inverse Universe

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



109, 85, 114



140, 102, 148



114, 85, 105



55, 50, 56



99, 0, 120



205, 0, 247

Previews

White Background



This preview shows how the RYB color 85, 114, 109 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 85, 114, 109 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

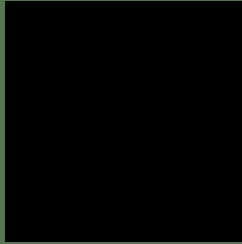
Any Text WCAG AA × Fail

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 85, 114, 109 Background



This preview shows how black text looks on a background with the RYB color 85, 114, 109.



This preview shows how white text looks on a background with the RYB color 85, 114, 109.

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

[85](#), [114](#), [109](#)

Protanopia

[93](#), [115](#), [82](#)

Deuteranopia

[125](#), [115](#), [87](#)



Tritanopia
96, 105, 118

Trichromacy



Original Color

85, 114, 109

Protanomaly

83, 110, 87

Deuteranomaly

92, 112, 86

Tritanomaly

94, 104, 111

Monochromacy



Original Color

85, 114, 109

Achromatopsia

104, 104, 104

Achromatomaly

97, 108, 106

CSS Examples

Text

The CSS property to change the color of the text to RYB 85, 114, 109 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(90, 114, 85)` looks like.

```
.text, #text, p{  
    color:rgb(90, 114, 85)  
}
```

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(90, 114, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(90, 114, 85) }
```

Border

The CSS property to change the border of an element to RYB 85, 114, 109 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(90, 114, 85) }
```

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

```
.border{ border-color:rgb(90, 114, 85) }
```

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

Here you see how a box with a 4 pixel rgb(90, 114, 85) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(90, 114, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(90, 114, 85);  
box-shadow:4px 4px 4px 4px rgb(90, 114,  
85) }
```

Background

The CSS property to change the background color of an element to RYB 85, 114, 109 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(90, 114, 85) }
```

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

```
.background{ background-color: rgb(90, 114,  
85) }
```

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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