

Converting Colors

`RYB(85, 83, 122)`

Have a look what the booklet for
RYB(85, 83, 122) contains.

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Color

R_YB(85, 83, 122)

Conversions

Conversions Part 1

Format	Color
Hex	55537A
RGB	85, 83, 122
RGB Percent	33%, 33%, 48%
CMY	0.6667, 0.6745, 0.5216
CMYK	0.30, 0.32, 0.00, 0.52
HSL	243°, 19%, 40%
HSV	243°, 32%, 48%
XYZ	10.3524, 9.5229, 19.7048
YIQ	88.0440, -11.3270, 12.5530

Conversions

Conversions Part 2

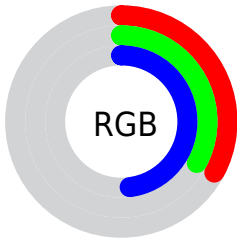
Format	Color
R_{YB}	85, 83, 122
Decimal	5591930
CIE _{Lab}	36.97, 10.45, -21.80
CIE _{LCh}	37, 24.174, 295.626
Yxy	9.5229, 0.2616, 0.2406
Android (android.graphics.Color)	4283782010 (0xFF55537A)
YUV	88.0440, 16.7403, -2.6696
Hunter-Lab	30.8593, 5.8780, -16.2575

Details

The RYB color **85, 83, 122** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **83, 122, 85**, and the grayscale version is **88, 88, 88**.

A 20% lighter version of the original color is **136, 132, 175**, and **38, 38, 73** is the 20% darker color. If you saturate the color by 10%, you get **73, 71, 122**, and if you desaturate by 10%, it is **97, 95, 122**.

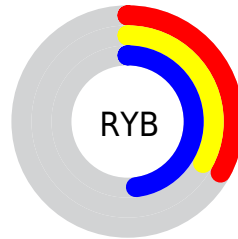
Distribution



Red (33%)

Green (33%)

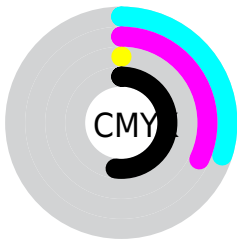
Blue (48%)



Red (33%)

Yellow (33%)

Blue (48%)

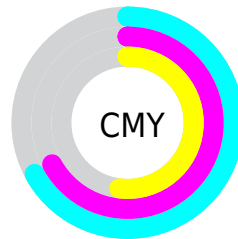


Cyan (30%)

Magenta (32%)

Yellow (0%)

Black (52%)



Cyan (67%)

Magenta (67%)

Yellow (52%)

Brightness & Saturation Gradients

These gradients show how the RYB color 85, 83, 122 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, 83, 122 by changing the saturation by 10% instead.



85, 83, 122



85, 83, 122

255, 255, 255



61, 60, 97



136, 132, 175



38, 38, 73



162, 159, 202



15, 18, 50



190, 185, 230



0, 2, 29



218, 213, 255



0, 0, 0



246, 241, 255



85, 83, 122



85, 83, 122



73, 71, 122



97, 95, 122



62, 59, 122



108, 107, 122

■ 50, 46, 122

■ 120, 120, 122

■ 39, 34, 122

■ 122, 132, 123

■ 27, 22, 122

■ 122, 144, 123

■ 16, 10, 122

■ 122, 156, 124

■ 6, 0, 122

■ 122, 168, 124

■ 122, 181, 125

■ 122, 193, 126

Harmonies

Analogous

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



53, 77, 125



85, 83, 122



109, 76, 109

Triad

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



85, 83, 122



117, 90, 56



33, 69, 97

Complementary

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



85, 83, 122



83, 122, 85

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.



60, 91, 95



85, 83, 122



73, 102, 48

Square

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



85, 83, 122



124, 73, 71



51, 91, 59



0, 50, 103

Rectangle

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



85, 83, 122



119, 73, 97



51, 91, 59



42, 76, 97

Sweetspot

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



85, 83, 122



143, 142, 158



83, 102, 122



70, 70, 79



207, 207, 207



79, 79, 79

Same Dimension

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



85, 83, 122



101, 98, 158



104, 83, 122



55, 55, 61



6, 0, 125



13, 0, 252

Inverse Universe

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



122, 83, 120



158, 98, 155



83, 122, 104



61, 55, 61



125, 0, 119



252, 0, 240

Previews

White Background



This preview shows how the RYB color 85, 83, 122 looks on a white background.

Color Contrast Check

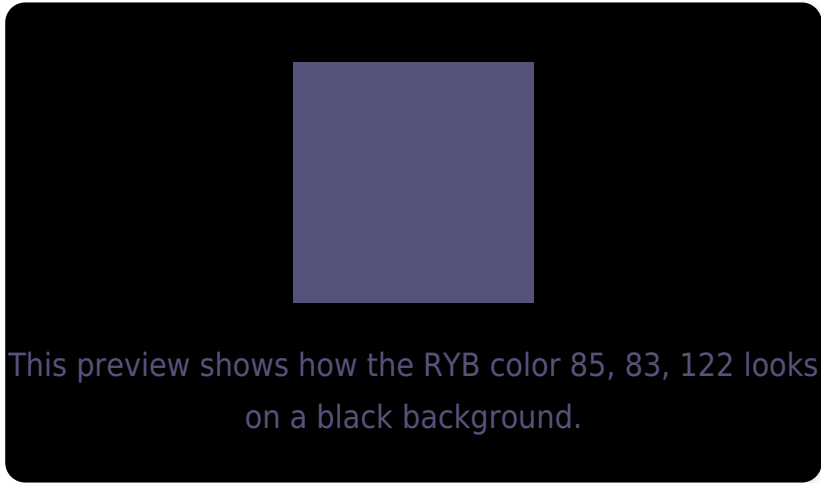
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

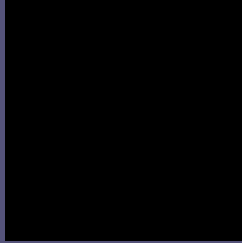
Any Text WCAG AA × Fail

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, 83, 122 Background



This preview shows how black text looks on a background with the R Y B color 85, 83, 122.



This preview shows how white text looks on a background with the R Y B color 85, 83, 122.

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

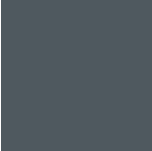
85, 83, 122

Protanopia

75, 84, 124

Deuteranopia

75, 84, 121



Tritanopia

79, 85, 95

Trichromacy



Original Color
85, 83, 122

Protanomaly
79, 84, 123

Deuteranomaly
79, 84, 121

Tritanomaly
81, 85, 105

Monochromacy



Original Color
85, 83, 122

Achromatopsia
88, 88, 88

Achromatomaly
87, 86, 100

CSS Examples

Text

The CSS property to change the color of the text to RYB 85, 83, 122 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(85, 83, 122) looks like.

```
.text, #text, p{  
    color:rgb(85, 83, 122)  
}
```

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(85, 83, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 83, 122) }
```

Border

The CSS property to change the border of an element to RYB 85, 83, 122 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(85, 83, 122) }
```

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

```
.border{ border-color:rgb(85, 83, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 83, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 83, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 83, 122);  
box-shadow:4px 4px 4px 4px rgb(85, 83,  
122) }
```

Background

The CSS property to change the background color of an element to RYB 85, 83, 122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 83, 122) }
```

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

```
.background{ background-color: rgb(85, 83,  
122) }
```

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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