

Converting Colors

`RYB(87, 87, 186)`

Have a look what the booklet for
RYB(87, 87, 186) contains.

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Color

R_YB(87, 87, 186)

Conversions

Conversions Part 1

Format	Color
Hex	5757BA
RGB	87, 87, 186
RGB Percent	34%, 34%, 73%
CMY	0.6588, 0.6588, 0.2706
CMYK	0.53, 0.53, 0.00, 0.27
HSL	240°, 42%, 54%
HSV	240°, 53%, 73%
XYZ	16.2016, 12.3878, 47.9915
YIQ	98.2860, -31.7790, 30.7890

Conversions

Conversions Part 2

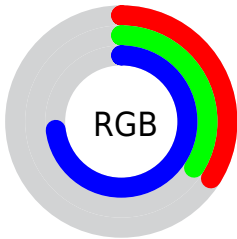
Format	Color
R_{YB}	87, 87, 186
Decimal	5724090
CIE _{Lab}	41.83, 27.98, -52.51
CIE _{LCh}	42, 59.497, 298.055
Yxy	12.3878, 0.2116, 0.1618
Android (android.graphics.Color)	4283914170 (0xFF5757BA)
YUV	98.2860, 43.2430, -9.8978
Hunter-Lab	35.1963, 20.5738, -56.2068

Details

The RYB color **87, 87, 186** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **87, 186, 87**, and the grayscale version is **98, 98, 98**.

A 20% lighter version of the original color is **144, 137, 243**, and **21, 39, 132** is the 20% darker color. If you saturate the color by 10%, you get **68, 68, 186**, and if you desaturate by 10%, it is **106, 106, 186**.

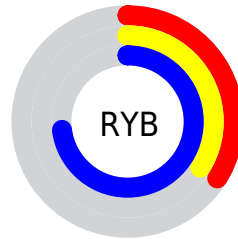
Distribution



Red (34%)

Green (34%)

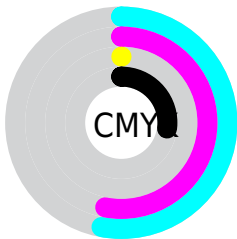
Blue (73%)



Red (34%)

Yellow (34%)

Blue (73%)

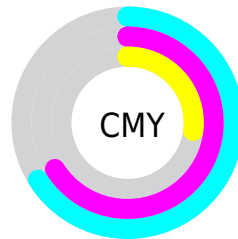


Cyan (53%)

Magenta (53%)

Yellow (0%)

Black (27%)



Cyan (66%)

Magenta (66%)

Yellow (27%)

Brightness & Saturation Gradients

These gradients show how the RYB color 87, 87, 186 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 87, 87, 186 by changing the saturation by 10% instead.

■ 87, 87, 186

■ 87, 87, 186

255, 255, 255

■ 58, 64, 159

■ 144, 137, 243

■ 21, 39, 132

■ 172, 163, 255

■ 0, 18, 106

■ 201, 190, 255

■ 0, 0, 81

■ 230, 218, 255

■ 0, 5, 57

■ 255, 247, 255

■ 0, 2, 35

■ 0, 0, 10

■ 0, 0, 0

■ 87, 87, 186

■ 87, 87, 186

■ 68, 68, 186

■ 106, 106, 186

■ 50, 50, 186

■ 124, 124, 186

■ 31, 31, 186

■ 143, 143, 186

■ 13, 13, 186

■ 161, 161, 186

■ 0, 0, 186

■ 180, 180, 186

■ 186, 199, 186

■ 186, 217, 186

■ 186, 236, 186

■ 186, 254, 186

Harmonies

Analogous

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



0, 69, 197



87, 87, 186



153, 61, 151

Triad

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



87, 87, 186



159, 135, 4



0, 67, 120

Complementary

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



87, 87, 186



87, 186, 87

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.



0, 86, 117



87, 87, 186



33, 122, 0

Square

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



87, 87, 186



181, 50, 56



0, 109, 35



0, 65, 144

Rectangle

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



87, 87, 186



175, 45, 120



0, 109, 35



0, 72, 119

Sweetspot

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



87, 87, 186



203, 203, 242



87, 137, 186



99, 99, 122



250, 250, 250



122, 122, 122

Same Dimension

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



87, 87, 186



87, 87, 242



137, 87, 186



83, 83, 92



0, 0, 156



0, 0, 28

Inverse Universe

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



186, 87, 186



242, 87, 242



87, 186, 136



92, 83, 92



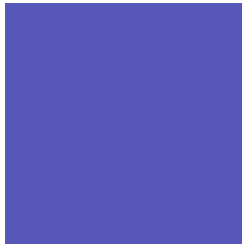
156, 0, 156



28, 0, 28

Previews

White Background



This preview shows how the RYB color 87, 87, 186 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 87, 87, 186 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

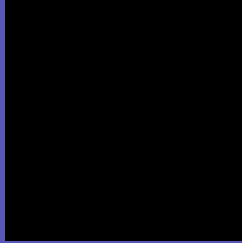
Any Text WCAG AA × Fail

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 87, 87, 186 Background



This preview shows how black text looks on a background with the R Y B color 87, 87, 186.



This preview shows how white text looks on a background with the R Y B color 87, 87, 186.

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
62, 86, 114

Trichromacy



Original Color
87, 87, 186

Protanomaly
54, 84, 192

Deuteranomaly
32, 76, 180

Tritanomaly
71, 90, 140

Monochromacy



Original Color
87, 87, 186

Achromatopsia
98, 98, 98

Achromatomaly
94, 94, 130

CSS Examples

Text

The CSS property to change the color of the text to RYB 87, 87, 186 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(87, 87, 186)` looks like.

```
.text, #text, p{  
    color:rgb(87, 87, 186)  
}
```

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(87, 87, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 87, 186) }
```

Border

The CSS property to change the border of an element to RYB 87, 87, 186 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(87, 87, 186) }
```

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

```
.border{ border-color:rgb(87, 87, 186) }
```

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

Here you see how a box with a 4 pixel rgb(87, 87, 186) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 87, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 87, 186);  
box-shadow:4px 4px 4px 4px rgb(87, 87,  
186) }
```

Background

The CSS property to change the background color of an element to RGB 87, 87, 186 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 87, 186) }
```

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

```
.background{ background-color: rgb(87, 87,  
186) }
```

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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