

Converting Colors

RGB(87, 64, 125)

Have a look what the booklet for
RGB(87, 64, 125) contains.

RGB(87, 64, 125)	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

RGB(87, 64, 125)

Conversions

Conversions Part 1

Format	Color
Hex	57407D
RGB	87, 64, 125
RGB Percent	34%, 25%, 49%
CMY	0.6588, 0.7490, 0.5098
CMYK	0.30, 0.49, 0.00, 0.51
HSL	263°, 32%, 37%
HSV	263°, 49%, 49%
XYZ	9.4655, 7.1737, 20.2878
YIQ	77.8310, -5.8730, 23.8470

Conversions

Conversions Part 2

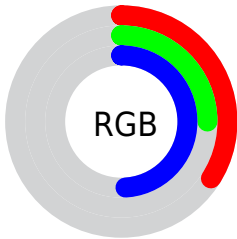
Format	Color
R_{YB}	87, 64, 125
Decimal	5718141
CIE _{Lab}	32.20, 24.01, -31.13
CIE _{LCh}	32, 39.311, 307.637
Yxy	7.1737, 0.2563, 0.1943
Android (android.graphics.Color)	4283908221 (0xFF57407D)
YUV	77.8310, 23.2543, 8.0412
Hunter-Lab	26.7838, 16.2114, -26.1616

Details

The RGB color **87, 64, 125** is a dark color, and the websafe version is hex **333366**. A complement of this color would be **102, 125, 64**, and the grayscale version is **78, 78, 78**.

A 20% lighter version of the original color is **139, 112, 178**, and **38, 20, 76** is the 20% darker color. If you saturate the color by 10%, you get **79, 52, 125**, and if you desaturate by 10%, it is **95, 77, 125**.

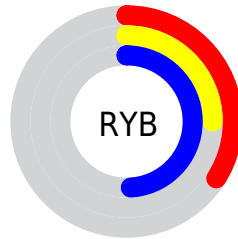
Distribution



Red (34%)

Green (25%)

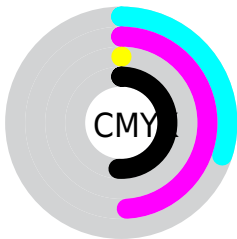
Blue (49%)



Red (34%)

Yellow (25%)

Blue (49%)

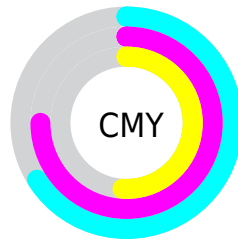


Cyan (30%)

Magenta (49%)

Yellow (0%)

Black (51%)



Cyan (66%)

Magenta (75%)

Yellow (51%)

Brightness & Saturation Gradients

These gradients show how the RGB color 87, 64, 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 RGB color 87, 64, 125 by changing the saturation by 10% instead.



87, 64, 125



87, 64, 125

255, 255, 255



62, 42, 100



139, 112, 178



38, 20, 76



166, 138, 206



18, 0, 53



193, 164, 234



0, 2, 31



221, 192, 255



0, 0, 1



250, 219, 255



0, 0, 0



255, 248, 255



87, 64, 125



87, 64, 125



79, 52, 125



95, 77, 125

71, 39, 125

103, 89, 125

64, 27, 125

110, 102, 125

56, 14, 125

118, 114, 125

48, 2, 125

126, 126, 125

47, 0, 125

134, 139, 125

142, 152, 125

149, 164, 125

157, 177, 125

Harmonies

Analogous

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



14, 77, 137



87, 64, 125



119, 51, 100

Triad

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



87, 64, 125



110, 66, 15



0, 90, 83

Complementary

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



87, 64, 125



102, 125, 64

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, 89, 51



87, 64, 125



84, 77, 4

Square

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



87, 64, 125



127, 53, 40



51, 84, 22



0, 89, 113

Rectangle

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



87, 64, 125



129, 46, 80



51, 84, 22



0, 90, 72

Sweetspot

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



87, 64, 125



148, 139, 163



64, 103, 125



72, 67, 82



209, 209, 209



82, 82, 82

Same Dimension

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



87, 64, 125



103, 67, 163



117, 64, 125



60, 57, 64



48, 0, 128



0, 0, 0

Inverse Universe

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



125, 64, 102



163, 67, 127



72, 125, 64



64, 57, 61



128, 0, 79



0, 0, 0

Previews

White Background



This preview shows how the RGB color 87, 64, 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 ✓ Pass

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

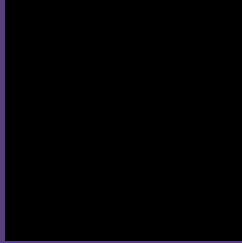
Any Text WCAG AA × Fail

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](#).

RGB 87, 64, 125 Background



This preview shows how black text looks on a background with the RGB color 87, 64, 125.



This preview shows how white text looks on a background with the RGB color 87, 64, 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

87, 64, 125

Protanopia

48, 74, 134

Deuteranopia

48, 76, 122



Tritanopia

78, 75, 80

Trichromacy



Original Color

87, 64, 125

Protanomaly

62, 70, 131

Deuteranomaly

62, 72, 123

Tritanomaly

81, 71, 96

Monochromacy



Original Color

87, 64, 125

Achromatopsia

78, 78, 78

Achromatomaly

81, 73, 95

CSS Examples

Text

The CSS property to change the color of the text to RGB 87, 64, 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(87, 64, 125) looks like.

```
.text, #text, p{  
    color:rgb(87, 64, 125)  
}
```

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, 64, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 64, 125) }
```

Border

The CSS property to change the border of an element to RGB 87, 64, 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(87, 64, 125) }
```

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

```
.border{ border-color:rgb(87, 64, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 64, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 64, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 64, 125);  
box-shadow:4px 4px 4px 4px rgb(87, 64,  
125) }
```

Background

The CSS property to change the background color of an element to RGB 87, 64, 125 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 64, 125) }
```

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

```
.background{ background-color: rgb(87, 64,  
125) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor