

Converting Colors

RGB(64, 36, 110)

Have a look what the booklet for
RGB(64, 36, 110) contains.

RGB(64, 36, 110)	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(64, 36, 110)

Conversions

Conversions Part 1	
Format	Color
Hex	40246E
RGB	64, 36, 110
RGB Percent	25%, 14%, 43%
CMY	0.7490, 0.8588, 0.5686
CMYK	0.42, 0.67, 0.00, 0.57
HSL	263°, 51%, 29%
HSV	263°, 67%, 43%
XYZ	5.5597, 3.4775, 15.1301
YIQ	52.8080, -7.0660, 28.9500

Conversions

Conversions Part 2

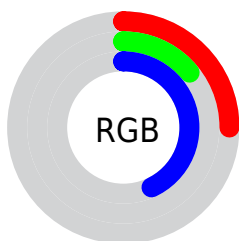
Format	Color
RYB	64, 36, 110
Decimal	4203630
CIELab	21.86, 30.89, -38.31
CIELCh	22, 49.212, 308.879
Yxy	3.4775, 0.2301, 0.1439
Android (android.graphics.Color)	4282393710 (0xFF40246E)
YUV	52.8080, 28.1957, 9.8154
Hunter-Lab	18.6481, 20.5832, -35.0509

Details

The RGB color **64, 36, 110** is a dark color, and the websafe version is hex **330066**. A complement of this color would be **82, 110, 36**, and the grayscale version is **53, 53, 53**.

A 20% lighter version of the original color is **116, 83, 162**, and **16, 0, 62** is the 20% darker color. If you saturate the color by 10%, you get **57, 25, 110**, and if you desaturate by 10%, it is **71, 47, 110**.

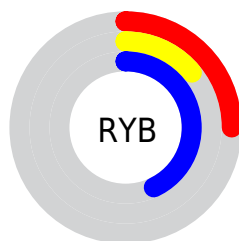
Distribution



Red (25%)

Green (14%)

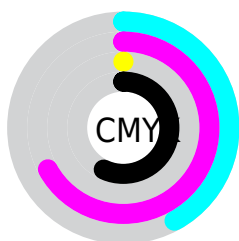
Blue (43%)



Red (25%)

Yellow (14%)

Blue (43%)

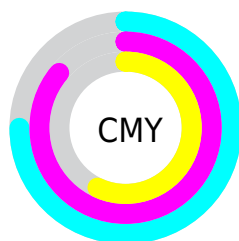


Cyan (42%)

Magenta (67%)

Yellow (0%)

Black (57%)



Cyan (75%)
















Magenta (86%)

Yellow (57%)





Brightness & Saturation Gradients

These gradients show how the RGB color 64, 36, 110 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 64, 36, 110 by changing the saturation by 10% instead.

 64, 36, 110	 64, 36, 110
 255, 255, 255	 38, 14, 85
 116, 83, 162	 16, 0, 62
 142, 107, 190	 0, 3, 39
 170, 133, 218	 0, 1, 16
 197, 159, 246	 0, 0, 0
 226, 186, 255	
 255, 214, 255	
 255, 243, 255	

 64, 36, 110	 64, 36, 110
---	---

 57, 25, 110 71, 47, 110 50, 14, 110 78, 58, 110 43, 3, 110 85, 69, 110 42, 0, 110 91, 80, 110 98, 91, 110 105, 102, 110 112, 113, 110 119, 124, 110 126, 135, 110

Harmonies

Analogous

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



0, 54, 126



64, 36, 110



102, 4, 79

Triad

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



64, 36, 110



86, 40, 0



0, 67, 63

Complementary

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



64, 36, 110



82, 110, 36

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, 66, 24



64, 36, 110



56, 54, 0

Square

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



64, 36, 110



107, 16, 5



12, 62, 0



0, 67, 98

Rectangle

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



64, 36, 110



112, 0, 55



12, 62, 0



0, 67, 50

Sweetspot

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



64, 36, 110



125, 114, 143



36, 83, 110



61, 54, 71



199, 199, 199



71, 71, 71

Same Dimension

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



64, 36, 110



71, 27, 143



100, 36, 110



53, 50, 56



45, 0, 120



94, 0, 247

Inverse Universe

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



110, 36, 82



143, 27, 99



46, 110, 36



56, 50, 54



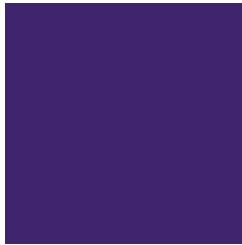
120, 0, 75



247, 0, 154

Previews

White Background



This preview shows how the RGB color 64, 36, 110 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



This preview shows how the RGB color 64, 36, 110 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

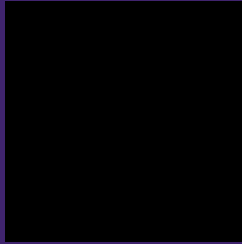
Any Text WCAG AA × Fail

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 64, 36, 110 Background



This preview shows how black text looks on a background with the RGB color 64, 36, 110.



This preview shows how white text looks on a background with the RGB color 64, 36, 110.

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

64, 36, 110

Protanopia

0, 51, 108

Deuteranopia

0, 54, 94




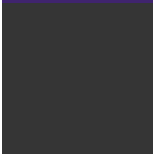

Tritanopia

52, 53, 57

Trichromacy

	Original Color 64, 36, 110
	Protanomaly 23, 46, 109
	Deuteranomaly 23, 47, 100
	Tritanomaly 56, 47, 76

Monochromacy

	Original Color 64, 36, 110
	Achromatopsia 53, 53, 53
	Achromatomaly 57, 47, 74

CSS Examples

Text

The CSS property to change the color of the text to RGB 64, 36, 110 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(64, 36, 110)` looks like.

```
.text, #text, p{  
    color:rgb(64, 36, 110)  
}
```

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(64, 36, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 36, 110) }
```

Border

The CSS property to change the border of an element to RGB 64, 36, 110 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(64, 36, 110) }
```

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

```
.border{ border-color:rgb(64, 36, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 36, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 36, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 36, 110);  
box-shadow:4px 4px 4px 4px rgb(64, 36,  
110) }
```

Background

The CSS property to change the background color of an element to RGB 64, 36, 110 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 36, 110) }
```

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

```
.background{ background-color: rgb(64, 36,  
110) }
```

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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