

# Converting Colors

XYZ(38.2657, 19.4457, 14.4854)

Have a look what the booklet for  
XYZ(38.2657, 19.4457, 14.4854)  
contains.

<b>XYZ(38.3834, 19.5045, 14.5737)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(38.3834, 19.5045,  
14.5737)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F00067
RGB	240, 0, 103
RGB Percent	94%, 0%, 40%
CMY	0.0588, 0.9998, 0.5961
CMYK	0.00, 1.00, 0.57, 0.06
HSL	334°, 100%, 47%
HSV	334°, 100%, 94%
XYZ	38.3834, 19.5045, 14.5737
YIQ	83.5020, 109.9770, 82.9130

# Conversions

## Conversions Part 2

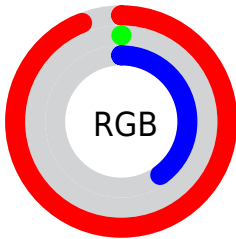
<b>Format</b>	<b>Color</b>
<b>RYB</b>	240, 0, 103
Decimal	15728743
CIELab	51.27, 79.61, 13.68
CIElCh	51, 80.777, 9.751
Yxy	19.5045, 0.5297, 0.2692
Android (android.graphics.Color)	4293918823 (0xFFFF0067)
YUV	83.5020, 9.6125, 137.2487
Hunter-Lab	44.1639, 77.8498, 11.3495

# Details

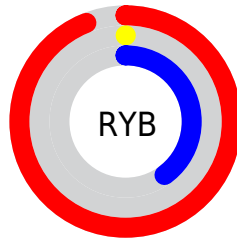
The XYZ color **38.3834, 19.5045, 14.5737** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **35.6800, 64.1281, 34.1848**, and the grayscale version is **8.2958, 8.7278, 9.5046**.

A 20% lighter version of the original color is **51.2556, 31.9588, 34.0391**, and **18.6430, 9.5255, 4.7269** is the 20% darker color. If you saturate the color by 10%, you get **38.3817, 19.5039, 14.5655**, and if you desaturate by 10%, it is **39.4563, 20.4581, 18.6076**.

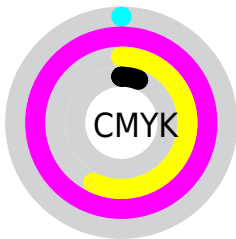
# Distribution



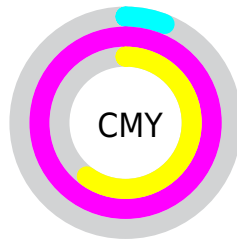
- Red (94%)
- Green (0%)
- Blue (40%)



- Red (94%)
- Yellow (0%)
- Blue (40%)



- Cyan (0%)
- Magenta (100%)
- Yellow (57%)
- Black (6%)




- Cyan (6%)
- Magenta (100%)
- Yellow (60%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3834, 19.5045, 14.5737 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 XYZ color 38.3834, 19.5045, 14.5737 by changing the saturation by 10% instead.





 38.3834, 19.5045,  
14.5737

 38.3834, 19.5045,  
14.5737


330.5143,  
249.2199, 232.3224


 26.4590, 12.0354,  
8.3775


 71.9955, 42.5849,  
34.8352

 17.3018, 6.7678,  
4.2462


 94.4139, 58.9649,  
49.7376


 10.5465, 3.3173,  
1.7614


 121.0610, 79.0840,  
68.3791

 5.8278, 1.2995,  
0.4023

 152.3021,  
103.3266, 91.1783

 2.7803, 0.1409,  
0.0000

 188.5027,  
132.0772, 118.5536

 1.0387, 0.0000,  
0.0000

 230.0280,

 0.0000, 0.0000,

165.7199, 150.9238

0.0000

277.2434,  
204.6394, 188.7072

■ 38.3834, 19.5045,  
14.5737

■ 38.3834, 19.5045,  
14.5737

■ 38.3817, 19.5039,  
14.5655

■ 39.4563, 20.4581,  
18.6076

■ 41.0509, 22.2663,  
23.3966

■ 43.2984, 25.1840,  
29.0084

■ 46.2784, 29.3632,  
35.4918

■ 50.0581, 34.9314,  
42.8904

■ 54.6968, 42.0004,  
51.2442

■ 60.2476, 50.6707,  
60.5904

■ 66.7595, 61.0337,  
70.9636

■ 74.2776, 73.1741,  
82.3970

# Harmonies

## Analogous

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



37.2038, 19.5045, 40.5928



38.3834, 19.5045, 14.5737



33.1832, 19.5045, 3.6239

# Triad

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



38.3834, 19.5045, 14.5737



10.2914, 19.5045, 2.1292



13.6767, 19.5045, 95.9895

# Complementary

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



38.3834, 19.5045, 14.5737



35.6800, 64.1281, 34.1848

# 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.



8.9960, 19.5045, 64.1213



38.3834, 19.5045, 14.5737



7.4710, 19.5045, 9.2845

# Square

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



38.3834, 19.5045, 14.5737



16.0363, 19.5045, 0.6146



7.0778, 19.5045, 29.6733



21.2882, 19.5045, 101.8490



# Rectangle

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



38.3834, 19.5045, 14.5737



27.4897, 19.5045, 1.3428



7.0778, 19.5045, 29.6733



11.7777, 19.5045, 87.2502

# Sweetspot

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



38.3839, 19.5057, 14.5740



69.0583, 58.0194, 69.3986



25.8859, 11.5287, 83.2988



14.1776, 11.4703, 13.8540



0.0000, 0.0000, 0.0000



20.3446, 21.4041, 23.3091



# Same Dimension

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



38.3839, 19.5057, 14.5740



44.0222, 22.3729, 16.5806



36.1214, 18.8974, 1.7453



16.0543, 15.8714, 17.8422



21.0744, 10.7022, 8.3085



1.8021, 0.9099, 0.9486



# Inverse Universe

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



38.3839, 19.5057, 14.5740



44.0222, 22.3729, 16.5806



42.3854, 59.6048, 91.7088



16.0543, 15.8714, 17.8422



21.0744, 10.7022, 8.3085



1.8021, 0.9099, 0.9486



# Previews

## White Background



This preview shows how the XYZ color 38.3834, 19.5045, 14.5737 looks on a white 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



# Black Background



This preview shows how the XYZ color 38.3834, 19.5045, 14.5737 looks on a black 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

If you want to check with other color combinations, try the [Color Contrast Checker](#).

**XYZ 38.3834, 19.5045, 14.5737**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.3834, 19.5045, 14.5737.



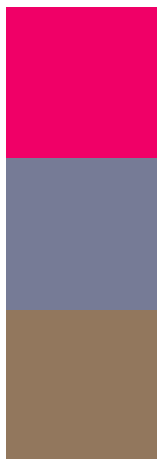
This preview shows how white text looks on a background with the XYZ color 38.3834, 19.5045,



# 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

38.3834, 19.5045, 14.5737

### Protanopia

20.0592, 20.2195, 31.6997

### Deuteranopia

20.4267, 20.0950, 13.1580



## Tritanopia

36.4358, 19.9162, 3.9313

# Trichromacy



## Original Color

38.3834, 19.5045, 14.5737



## Protanomaly

21.8583, 14.8236, 23.8995



## Deuteranomaly

23.5645, 15.7352, 13.1045



## Tritanomaly

36.8632, 19.4484, 6.5136

# Monochromacy



## Original Color

38.3834, 19.5045, 14.5737



## Achromatopsia

8.4267, 8.8656, 9.6546



## Achromatomaly

14.1459, 8.9643, 10.8822

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.3834, 19.5045, 14.5737 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(240, 0, 103)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 103)  
}
```

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(240, 0, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 103) }
```

## Border

The CSS property to change the border of an element to XYZ 38.3834, 19.5045, 14.5737 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(240, 0, 103) }
```



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

```
.border{ border-color:rgb(240, 0, 103) }
```

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

Here you see how a box with a 4 pixel rgb(240, 0, 103) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 103);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
103) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.3834, 19.5045, 14.5737 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 0, 103) }
```

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

```
.background{ background-color: rgb(240, 0,  
103) }
```

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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