

# Converting Colors

XYZ(38.0522, 19.3603, 13.3611)

Have a look what the booklet for  
XYZ(38.0522, 19.3603, 13.3611)  
contains.

<b>XYZ(38.1398, 19.4071, 13.2910)</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(38.1398, 19.4071,  
13.2910)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F00062
RGB	240, 0, 98
RGB Percent	94%, 0%, 38%
CMY	0.0588, 0.9998, 0.6157
CMYK	0.00, 1.00, 0.59, 0.06
HSL	336°, 100%, 47%
HSV	336°, 100%, 94%
XYZ	38.1398, 19.4071, 13.2910
YIQ	82.9320, 111.5820, 81.3580

# Conversions

## Conversions Part 2

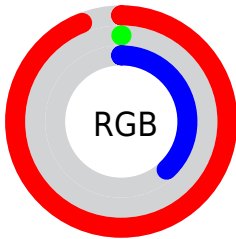
<b>Format</b>	<b>Color</b>
<b>RYB</b>	240, 0, 98
Decimal	15728738
CIELab	51.16, 79.31, 16.58
CIELCh	51, 81.025, 11.809
Yxy	19.4071, 0.5384, 0.2740
Android (android.graphics.Color)	4293918818 (0xFFFF0062)
YUV	82.9320, 7.4285, 137.7486
Hunter-Lab	44.0535, 77.4448, 12.9496

# Details

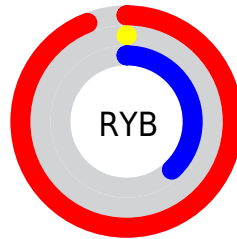
The XYZ color **38.1398, 19.4071, 13.2910** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **36.0475, 64.2750, 36.1202**, and the grayscale version is **8.1841, 8.6103, 9.3767**.

A 20% lighter version of the original color is **50.6775, 31.5825, 31.4420**, and **18.5243, 9.4780, 4.1019** is the 20% darker color. If you saturate the color by 10%, you get **38.1380, 19.4064, 13.2825**, and if you desaturate by 10%, it is **39.1988, 20.3552, 17.2517**.

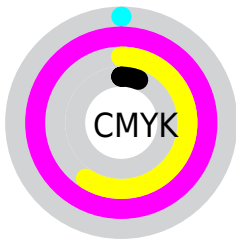
# Distribution



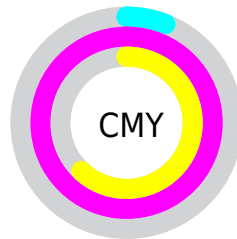
- Red (94%)
- Green (0%)
- Blue (38%)



- Red (94%)
- Yellow (0%)
- Blue (38%)



- Cyan (0%)
- Magenta (100%)
- Yellow (59%)
- Black (6%)




- Cyan (6%)
- Magenta (100%)
- Yellow (62%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.1398, 19.4071, 13.2910 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 38.1398, 19.4071, 13.2910 by changing the saturation by 10% instead.





 38.1398, 19.4071,  
13.2910

 38.1398, 19.4071,  
13.2910


329.4898,  
248.6871, 224.0473


 26.2689, 11.9648,  
7.4962


 71.6249, 42.4209,  
32.5244


 17.1587, 6.7197,  
3.6912


 93.9698, 58.7612,  
46.8001


 10.4437, 3.2874,  
1.4575


 120.5368, 78.8362,  
64.7397

 5.7586, 1.2836,  
0.1860

 151.6911,  
103.0304, 86.7620

 2.7381, 0.1284,  
0.0000

 187.7983,  
131.7283, 113.2853

 1.0168, 0.0000,  
0.0000

 229.2235,

 0.0000, 0.0000,

165.3140, 144.7282

0.0000

276.3322,  
204.1722, 181.5094

■ 38.1398, 19.4071,  
13.2910

■ 38.1398, 19.4071,  
13.2910

■ 38.1380, 19.4064,  
13.2825

■ 39.1988, 20.3552,  
17.2517

■ 40.7866, 22.1607,  
22.0044

■ 43.0349, 25.0789,  
27.6201

■ 46.0239, 29.2618,  
34.1507

■ 49.8215, 34.8373,  
41.6429

■ 54.4873, 41.9173,  
50.1392

■ 60.0750, 50.6025,  
59.6792

■ 66.6340, 60.9845,  
70.3002

■ 74.2099, 73.1482,  
82.0374

# Harmonies

## Analogous

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



37.4200, 19.4071, 38.2246



38.1398, 19.4071, 13.2910



32.5668, 19.4071, 3.2090

# Triad

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



38.1398, 19.4071, 13.2910



9.9271, 19.4071, 2.3141



14.0207, 19.4071, 97.4947

# Complementary

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



38.1398, 19.4071, 13.2910



36.0475, 64.2750, 36.1202

# 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.



9.1421, 19.4071, 66.6422



38.1398, 19.4071, 13.2910



7.2971, 19.4071, 10.0877

# Square

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



38.1398, 19.4071, 13.2910



15.4542, 19.4071, 0.6220



7.0593, 19.4071, 31.5710



21.8007, 19.4071, 101.0801



# Rectangle

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



38.1398, 19.4071, 13.2910



26.7731, 19.4071, 1.1897



7.0593, 19.4071, 31.5710



12.0536, 19.4071, 89.2969

# Sweetspot

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



38.1403, 19.4083, 13.2913



68.8589, 57.9397, 68.3486



26.5480, 11.8700, 83.3296



14.1308, 11.4516, 13.6076



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.



38.1403, 19.4083, 13.2913



43.7432, 22.2613, 15.1117



36.1864, 19.0275, 1.7671



16.0403, 15.8658, 17.7682



20.9396, 10.6482, 7.5982



1.7901, 0.9051, 0.8857



# Inverse Universe

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



38.1403, 19.4083, 13.2913



43.7432, 22.2613, 15.1117



41.3232, 57.4803, 91.3546



16.0403, 15.8658, 17.7682



20.9396, 10.6482, 7.5982



1.7901, 0.9051, 0.8857



# Previews

## White Background



This preview shows how the XYZ color 38.1398, 19.4071, 13.2910 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 38.1398, 19.4071, 13.2910 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 38.1398, 19.4071, 13.2910**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.1398, 19.4071, 13.2910.



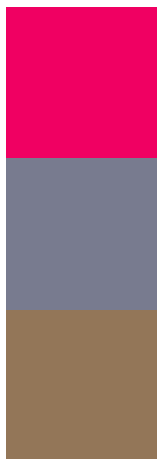
This preview shows how white text looks on a background with the XYZ color 38.1398, 19.4071,



# 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

38.1398, 19.4071, 13.2910

### Protanopia

19.7866, 20.1422, 28.8316

### Deuteranopia

20.2725, 19.8645, 11.9983



## Tritanopia

36.3193, 19.7618, 3.6504

# Trichromacy



## Original Color

38.1398, 19.4071, 13.2910

## Protanomaly

21.8650, 14.8736, 21.7972

## Deuteranomaly

23.5039, 15.6286, 11.9030

## Tritanomaly

36.7337, 19.3618, 5.9388

# Monochromacy



## Original Color

38.1398, 19.4071, 13.2910

## Achromatopsia

8.2219, 8.6500, 9.4199

## Achromatomaly

13.8498, 8.8262, 10.2062

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.1398, 19.4071, 13.2910 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, 98)` looks like.

```
.text, #text, p{  
    color:rgb(240, 0, 98)  
}
```

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, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 98) }
```

## Border

The CSS property to change the border of an element to XYZ 38.1398, 19.4071, 13.2910 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, 98) }
```



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

```
.border{ border-color:rgb(240, 0, 98) }
```

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, 98) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 98);  
box-shadow:4px 4px 4px 4px rgb(240, 0, 98)  
}
```

# Background

The CSS property to change the background color of an element to XYZ 38.1398, 19.4071, 13.2910 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, 98) }
```

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

```
.background{ background-color: rgb(240, 0,  
98) }
```

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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