

Converting Colors

XYZ(37.9793, 19.3312, 12.9771)

Have a look what the booklet for
XYZ(37.9793, 19.3312, 12.9771)
contains.

XYZ(38.0928, 19.3883, 13.0439)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.0928, 19.3883,
13.0439)**

Conversions

Conversions Part 1

Format	Color
Hex	F00061
RGB	240, 0, 97
RGB Percent	94%, 0%, 38%
CMY	0.0588, 0.9998, 0.6196
CMYK	0.00, 1.00, 0.60, 0.06
HSL	336°, 100%, 47%
HSV	336°, 100%, 94%
XYZ	38.0928, 19.3883, 13.0439
YIQ	82.8180, 111.9030, 81.0470

Conversions

Conversions Part 2

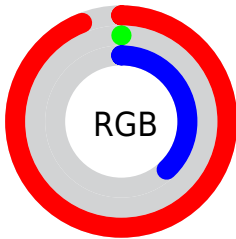
Format	Color
R_{YB}	240, 0, 97
Decimal	15728737
CIE _{Lab}	51.14, 79.25, 17.16
CIE _{LCh}	51, 81.089, 12.219
Yxy	19.3883, 0.5401, 0.2749
Android (android.graphics.Color)	4293918817 (0xFFFF0061)
YUV	82.8180, 6.9917, 137.8486
Hunter-Lab	44.0321, 77.3665, 13.2587

Details

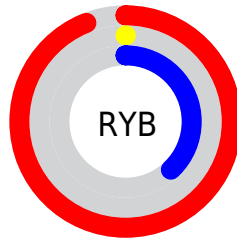
The XYZ color **38.0928, 19.3883, 13.0439** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **36.1229, 64.3051, 36.5177**, and the grayscale version is **8.1619, 8.5869, 9.3512**.

A 20% lighter version of the original color is **50.5987, 31.5510, 31.0269**, and **18.5243, 9.4780, 4.1019** is the 20% darker color. If you saturate the color by 10%, you get **38.0910, 19.3876, 13.0354**, and if you desaturate by 10%, it is **39.1488, 20.3352, 16.9885**.

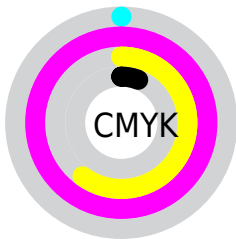
Distribution



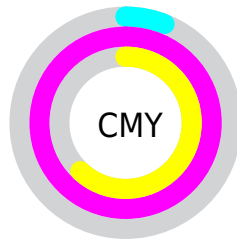
- Red (94%)
- Green (0%)
- Blue (38%)



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



- Cyan (0%)
- Magenta (100%)
- Yellow (60%)
- Black (6%)





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

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0928, 19.3883, 13.0439 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 38.0928, 19.3883, 13.0439 by changing the saturation by 10% instead.


 38.0928, 19.3883,
13.0439


 38.0928, 19.3883,
13.0439


329.2919,
248.5841, 222.4165


 26.2323, 11.9512,
7.3277

 71.5533, 42.3892,
32.0750


 17.1311, 6.7104,
3.5863


 93.8840, 58.7218,
46.2269


 10.4239, 3.2817,
1.4013


 120.4355, 78.7883,
64.0279

 5.7453, 1.2805,
0.1427

 151.5731,
102.9732, 85.8964

 2.7300, 0.1260,
0.0000

 187.6622,
131.6608, 112.2509

 1.0126, 0.0000,
0.0000

 229.0681,

 0.0000, 0.0000,

165.2356, 143.5101

0.0000

276.1562,
204.0819, 180.0925

■ 38.0928, 19.3883,
13.0439

■ 38.0928, 19.3883,
13.0439

■ 38.0910, 19.3876,
13.0354

■ 39.1488, 20.3352,
16.9885

■ 40.7349, 22.1401,
21.7325

■ 42.9831, 25.0583,
27.3477

■ 45.9737, 29.2418,
33.8865

■ 49.7746, 34.8186,
41.3962

■ 54.4456, 41.9008,
49.9200

■ 60.0406, 50.5888,
59.4981

■ 66.6089, 60.9746,
70.1680

■ 74.1962, 73.1429,
81.9655

Harmonies

Analogous

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



37.4650, 19.3883, 37.7633



38.0928, 19.3883, 13.0439



32.4456, 19.3883, 3.1299

Triad

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



38.0928, 19.3883, 13.0439



9.8555, 19.3883, 2.3524



14.0907, 19.3883, 97.8029

Complementary

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



38.0928, 19.3883, 13.0439



36.1229, 64.3051, 36.5177

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.



9.1717, 19.3883, 67.1580



38.0928, 19.3883, 13.0439



7.2628, 19.3883, 10.2542

Square

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



38.0928, 19.3883, 13.0439



15.3399, 19.3883, 0.6235



7.0557, 19.3883, 31.9617



21.9051, 19.3883, 100.9318

Rectangle

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



38.0928, 19.3883, 13.0439



26.6322, 19.3883, 1.1604



7.0557, 19.3883, 31.9617



12.1097, 19.3883, 89.7151

Sweetspot

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



38.0933, 19.3895, 13.0442



68.8193, 57.9238, 68.1399



26.5480, 11.8700, 83.3295



14.1215, 11.4479, 13.5587



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.



38.0933, 19.3895, 13.0442



43.6895, 22.2398, 14.8289



36.1864, 19.0275, 1.7671



16.0374, 15.8647, 17.7534



20.9135, 10.6378, 7.4612



1.7878, 0.9042, 0.8735

Inverse Universe

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



38.0933, 19.3895, 13.0442



43.6895, 22.2398, 14.8289



41.3231, 57.4802, 91.3544



16.0374, 15.8647, 17.7534



20.9135, 10.6378, 7.4612



1.7878, 0.9042, 0.8735

Previews

White Background



This preview shows how the XYZ color 38.0928, 19.3883, 13.0439 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 38.0928, 19.3883, 13.0439 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

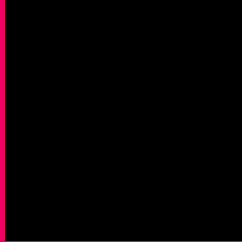
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.0928, 19.3883, 13.0439

Background



This preview shows how black text looks on a background with the XYZ color 38.0928, 19.3883, 13.0439.

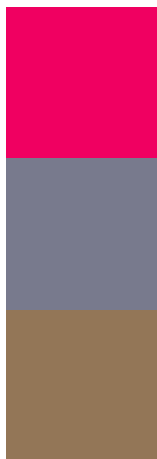


This preview shows how white text looks on a background with the XYZ color 38.0928, 19.3883,

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

38.0928, 19.3883, 13.0439

Protanopia

19.5130, 19.8352, 27.9994

Deuteranopia

20.2314, 19.8480, 11.7816



Tritanopia

36.3193, 19.7618, 3.6504

Trichromacy



Original Color

38.0928, 19.3883, 13.0439



Protanomaly

21.7359, 14.8220, 21.1174



Deuteranomaly

23.4605, 15.6112, 11.6743



Tritanomaly

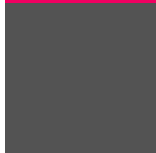
36.7337, 19.3618, 5.9388

Monochromacy



Original Color

38.0928, 19.3883, 13.0439



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 38.0928, 19.3883, 13.0439 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, 97)` looks like.

```
.text, #text, p{  
  color:rgb(240, 0, 97)  
}
```

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, 97) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 97) }
```

Border

The CSS property to change the border of an element to XYZ 38.0928, 19.3883, 13.0439 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, 97) }
```


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

```
.border{ border-color:rgb(240, 0, 97) }
```

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, 97) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 97); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 97);  
box-shadow:4px 4px 4px 4px rgb(240, 0, 97)  
}
```

Background

The CSS property to change the background color of an element to XYZ 38.0928, 19.3883, 13.0439 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, 97) }
```

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

```
.background{ background-color: rgb(240, 0,  
97) }
```

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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