

Converting Colors

XYZ(38.1436, 19.4004, 13.8860)

Have a look what the booklet for
XYZ(38.1436, 19.4004, 13.8860)
contains.

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Color

**XYZ(38.2354, 19.4454,
13.7947)**

Conversions

Conversions Part 1

Format	Color
Hex	F00064
RGB	240, 0, 100
RGB Percent	94%, 0%, 39%
CMY	0.0588, 0.9998, 0.6078
CMYK	0.00, 1.00, 0.58, 0.06
HSL	335°, 100%, 47%
HSV	335°, 100%, 94%
XYZ	38.2354, 19.4454, 13.7947
YIQ	83.1600, 110.9400, 81.9800

Conversions

Conversions Part 2

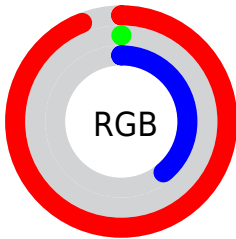
Format	Color
R_{YB}	240, 0, 100
Decimal	15728740
CIE _{Lab}	51.20, 79.43, 15.42
CIE _{LCh}	51, 80.911, 10.987
Yxy	19.4454, 0.5349, 0.2721
Android (android.graphics.Color)	4293918820 (0xFFFF0064)
YUV	83.1600, 8.3021, 137.5487
Hunter-Lab	44.0969, 77.6034, 12.3204

Details

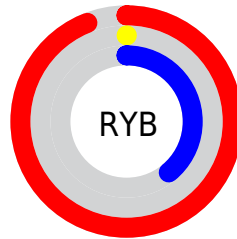
The XYZ color **38.2354, 19.4454, 13.7947** is a dark color, and the websafe version is hex **FF0066**. The color can be described as dark saturated rose. A complement of this color would be **35.8988, 64.2154, 35.3373**, and the grayscale version is **8.2293, 8.6578, 9.4284**.

A 20% lighter version of the original color is **50.8372, 31.6464, 32.2831**, and **18.5704, 9.4964, 4.3443** is the 20% darker color. If you saturate the color by 10%, you get **38.2335, 19.4445, 13.7855**, and if you desaturate by 10%, it is **39.3003, 20.3960, 17.7862**.

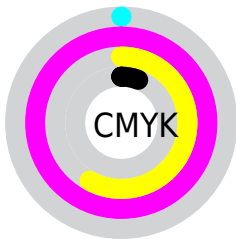
Distribution



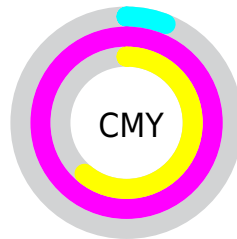
- Red (94%)
- Green (0%)
- Blue (39%)



- Red (94%)
- Yellow (0%)
- Blue (39%)



- Cyan (0%)
- Magenta (100%)
- Yellow (58%)
- Black (6%)





- Cyan (6%)
- Magenta (100%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.2354, 19.4454, 13.7947 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 38.2354, 19.4454, 13.7947 by changing the saturation by 10% instead.


 38.2354, 19.4454,
13.7947


 38.2354, 19.4454,
13.7947


329.8921,
248.8967, 227.3337


 26.3435, 11.9926,
7.8409


 71.7704, 42.4854,
33.4362


 17.2148, 6.7386,
3.9070


 94.1441, 58.8413,
47.9609


 10.4840, 3.2992,
1.5745


 120.7426, 78.9337,
66.1797

 5.7858, 1.2898,
0.2725

 151.9310,
103.1470, 88.5112

 2.7547, 0.1333,
0.0000

 188.0749,
131.8655, 115.3737

 1.0254, 0.0000,
0.0000

 229.5394,

 0.0000, 0.0000,

165.4737, 147.1860

0.0000

276.6900,
204.3560, 184.3665

■ 38.2354, 19.4454,
13.7947

■ 38.2354, 19.4454,
13.7947

■ 38.2335, 19.4445,
13.7855

■ 39.3003, 20.3960,
17.7862

■ 40.8912, 22.2028,
22.5550

■ 43.1396, 25.1212,
28.1706

■ 46.1254, 29.3029,
34.6838

■ 49.9162, 34.8759,
42.1399

■ 54.5715, 41.9519,
50.5805

■ 60.1449, 50.6315,
60.0440

■ 66.6853, 61.0063,
70.5669

■ 74.2384, 73.1611,
82.1832

Harmonies

Analogous

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



37.3317, 19.4454, 39.1594



38.2354, 19.4454, 13.7947



32.8112, 19.4454, 3.3711

Triad

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



38.2354, 19.4454, 13.7947



10.0717, 19.4454, 2.2390



13.8819, 19.4454, 96.8846

Complementary

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



38.2354, 19.4454, 13.7947



35.8988, 64.2154, 35.3373

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.



9.0832, 19.4454, 65.6218



38.2354, 19.4454, 13.7947



7.3663, 19.4454, 9.7607

Square

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



38.2354, 19.4454, 13.7947



15.6850, 19.4454, 0.6191



7.0666, 19.4454, 30.8007



21.5937, 19.4454, 101.3815

Rectangle

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



38.2354, 19.4454, 13.7947



27.0573, 19.4454, 1.2496



7.0666, 19.4454, 30.8007



11.9424, 19.4454, 88.4688

Sweetspot

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



38.2359, 19.4466, 13.7950



68.9383, 57.9714, 68.7667



26.5482, 11.8702, 83.3295



14.1494, 11.4590, 13.7057



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.



38.2359, 19.4466, 13.7950



43.8526, 22.3050, 15.6876



36.1864, 19.0276, 1.7672



16.0459, 15.8681, 17.7977



20.9925, 10.6694, 7.8769



1.7948, 0.9070, 0.9105

Inverse Universe

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



38.2359, 19.4466, 13.7950



43.8526, 22.3050, 15.6876



41.3232, 57.4804, 91.3544



16.0459, 15.8681, 17.7977



20.9925, 10.6694, 7.8769



1.7948, 0.9070, 0.9105

Previews

White Background



This preview shows how the XYZ color 38.2354, 19.4454, 13.7947 looks on a white background.

Color Contrast Check

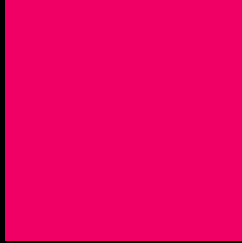
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.2354, 19.4454, 13.7947 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 38.2354, 19.4454, 13.7947

Background



This preview shows how black text looks on a background with the XYZ color 38.2354, 19.4454, 13.7947.

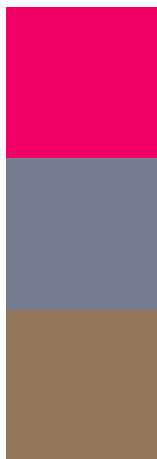


This preview shows how white text looks on a background with the XYZ color 38.2354, 19.4454,

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

38.2354, 19.4454, 13.7947

Protanopia

19.8790, 20.1632, 30.0383

Deuteranopia

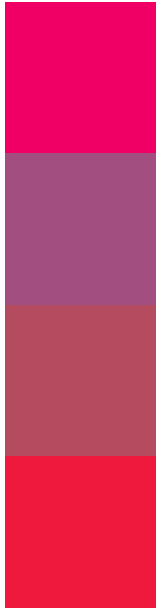
20.1780, 19.8060, 12.4323



Tritanopia

36.3685, 19.8347, 3.7454

Trichromacy



Original Color

38.2354, 19.4454, 13.7947

Protanomaly

21.7911, 14.8203, 22.4810

Deuteranomaly

23.3588, 15.5436, 12.3587

Tritanomaly

36.7865, 19.3829, 6.2173

Monochromacy



Original Color

38.2354, 19.4454, 13.7947

Achromatopsia

8.2219, 8.6500, 9.4199

Achromatomaly

13.8915, 8.8429, 10.4259

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2354, 19.4454, 13.7947 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, 100)` looks like.

```
.text, #text, p{  
  color:rgb(240, 0, 100)  
}
```

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, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 0, 100) }
```

Border

The CSS property to change the border of an element to XYZ 38.2354, 19.4454, 13.7947 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, 100) }
```


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

```
.border{ border-color:rgb(240, 0, 100) }
```

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, 100) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 0, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 0, 100);  
box-shadow:4px 4px 4px 4px rgb(240, 0,  
100) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2354, 19.4454, 13.7947 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, 100) }
```

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

```
.background{ background-color: rgb(240, 0,  
100) }
```

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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