

Converting Colors

XYZ(38.2845, 19.3543, 19.0560)

Have a look what the booklet for
XYZ(38.2845, 19.3543, 19.0560)
contains.

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Color

**XYZ(38.2548, 19.3364,
19.1688)**

Conversions

Conversions Part 1

Format	Color
Hex	ED0077
RGB	237, 0, 119
RGB Percent	93%, 0%, 47%
CMY	0.0706, 0.9998, 0.5333
CMYK	0.00, 1.00, 0.50, 0.07
HSL	330°, 100%, 46%
HSV	330°, 100%, 93%
XYZ	38.2548, 19.3364, 19.1688
YIQ	84.4290, 103.0530, 87.2530

Conversions

Conversions Part 2

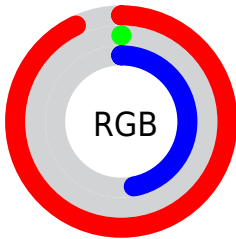
Format	Color
R_{YB}	237, 0, 119
Decimal	15532151
CIE _{Lab}	51.08, 80.03, 3.56
CIE _{LCh}	51, 80.112, 2.547
Yxy	19.3364, 0.4984, 0.2519
Android (android.graphics.Color)	4293722231 (0xFFED0077)
YUV	84.4290, 17.0435, 133.8048
Hunter-Lab	43.9732, 78.3344, 4.9355

Details

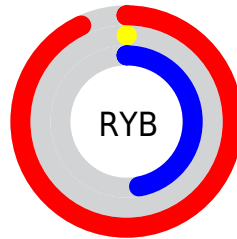
The XYZ color **38.2548, 19.3364, 19.1688** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **33.5580, 61.8778, 27.3312**, and the grayscale version is **8.4726, 8.9138, 9.7071**.

A 20% lighter version of the original color is **52.6829, 32.3847, 42.0023**, and **18.5929, 9.4536, 6.8060** is the 20% darker color. If you saturate the color by 10%, you get **38.2531, 19.3357, 19.1603**, and if you desaturate by 10%, it is **39.3299, 20.2810, 23.2445**.

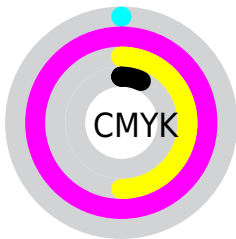
Distribution



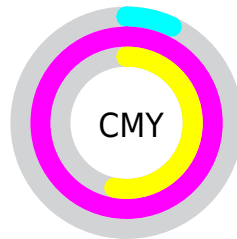
- Red (93%)
- Green (0%)
- Blue (47%)



- Red (93%)
- Yellow (0%)
- Blue (47%)



- Cyan (0%)
- Magenta (100%)
- Yellow (50%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (53%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.2548, 19.3364, 19.1688 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 38.2548, 19.3364, 19.1688 by changing the saturation by 10% instead.

 38.2548, 19.3364,
19.1688


 38.2548, 19.3364,
19.1688

329.9737,
248.2996, 259.8328


 26.3586, 11.9136,
11.6143


 71.7999, 42.3018,
42.8596


 17.2262, 6.6849,
6.3623


 94.1795, 58.6131,
59.8330


 10.4922, 3.2658,
2.9943


 120.7843, 78.6561,
80.7831

 5.7913, 1.2720,
1.0917

 151.9797,
102.8152, 106.1284

 2.7580, 0.1194,
0.0000

 188.1310,
131.4747, 136.2875

 1.0271, 0.0000,
0.0000

 229.6035,

 0.0000, 0.0000,

165.0190, 171.6789

0.0000

276.7626,
203.8325, 212.7211

■ 38.2548, 19.3364,
19.1688

■ 38.2548, 19.3364,
19.1688

■ 38.2531, 19.3357,
19.1603

■ 39.3299, 20.2810,
23.2445

■ 40.8878, 22.0452,
27.9303

■ 43.0548, 24.8773,
33.2830

■ 45.9063, 28.9235,
39.3412

■ 49.5060, 34.3071,
46.1393

■ 53.9100, 41.1358,
53.7085

■ 59.1684, 49.5064,
62.0779

■ 65.3273, 59.5072,
71.2745

■ 72.4295, 71.2197,
81.3238

Harmonies

Analogous

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



35.5417, 19.3364, 48.3513



38.2548, 19.3364, 19.1688



34.4982, 19.3364, 5.1980

Triad

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



38.2548, 19.3364, 19.1688



11.3240, 19.3364, 1.5168



12.1971, 19.3364, 88.6345

Complementary

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



38.2548, 19.3364, 19.1688



33.5580, 61.8778, 27.3312

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.



8.2746, 19.3364, 54.4540



38.2548, 19.3364, 19.1688



7.8821, 19.3364, 6.6393

Square

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



38.2548, 19.3364, 19.1688



17.7080, 19.3364, 0.5617



6.9516, 19.3364, 23.0590



19.0660, 19.3364, 101.9866

Rectangle

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



38.2548, 19.3364, 19.1688



29.3219, 19.3364, 1.9199



6.9516, 19.3364, 23.0590



10.5661, 19.3364, 78.3871

Sweetspot

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



38.2553, 19.3376, 19.1691



69.7718, 58.3048, 73.1560



22.3014, 9.7319, 80.8235



14.3457, 11.5375, 14.7391



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.



38.2553, 19.3376, 19.1691



45.1369, 22.8188, 22.4508



34.9475, 18.0144, 1.7502



15.3809, 15.1802, 17.2910



20.9512, 10.5832, 10.8104



1.6937, 0.8505, 1.1046

Inverse Universe

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



38.2553, 19.3376, 19.1691



45.1369, 22.8188, 22.4508



45.0000, 66.4546, 87.5839



15.3809, 15.1802, 17.2910



20.9512, 10.5832, 10.8104



1.6937, 0.8505, 1.1046

Previews

White Background



This preview shows how the XYZ color 38.2548, 19.3364, 19.1688 looks on a white background.

Color Contrast Check

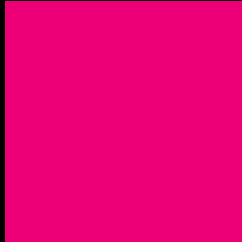
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.2548, 19.3364, 19.1688 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 38.2548, 19.3364, 19.1688

Background



This preview shows how black text looks on a background with the XYZ color 38.2548, 19.3364, 19.1688.



This preview shows how white text looks on a background with the XYZ color 38.2548, 19.3364,

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

38.2548, 19.3364, 19.1688

Protanopia

20.5903, 20.0858, 41.8214

Deuteranopia

20.1724, 19.8732, 17.2407



Tritanopia

35.4613, 19.7307, 4.6287

Trichromacy



Original Color

38.2548, 19.3364, 19.1688



Protanomaly

21.9917, 14.7172, 31.8186



Deuteranomaly

23.2443, 15.4751, 17.3847



Tritanomaly

35.9278, 19.0718, 8.0909

Monochromacy



Original Color

38.2548, 19.3364, 19.1688



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

14.2460, 8.9847, 12.2926

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.2548, 19.3364, 19.1688 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(237, 0, 119)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 119)  
}
```

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(237, 0, 119) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 119) }
```

Border

The CSS property to change the border of an element to XYZ 38.2548, 19.3364, 19.1688 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(237, 0, 119) }
```


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

```
.border{ border-color:rgb(237, 0, 119) }
```

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

Here you see how a box with a 4 pixel `rgb(237, 0, 119)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 119); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 119);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
119) }
```

Background

The CSS property to change the background color of an element to XYZ 38.2548, 19.3364, 19.1688 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(237, 0, 119) }
```

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

```
.background{ background-color: rgb(237, 0,  
119) }
```

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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