

Converting Colors

XYZ(38.2741, 19.3499, 19.0087)

Have a look what the booklet for
XYZ(38.2741, 19.3499, 19.0087)
contains.

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Color

**XYZ(38.1951, 19.3125,
18.8541)**

Conversions

Conversions Part 1

Format	Color
Hex	ED0076
RGB	237, 0, 118
RGB Percent	93%, 0%, 46%
CMY	0.0706, 0.9998, 0.5373
CMYK	0.00, 1.00, 0.50, 0.07
HSL	330°, 100%, 46%
HSV	330°, 100%, 93%
XYZ	38.1951, 19.3125, 18.8541
YIQ	84.3150, 103.3740, 86.9420

Conversions

Conversions Part 2

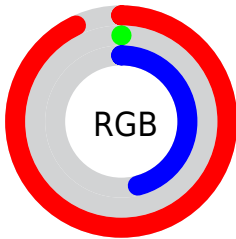
Format	Color
R_{YB}	237, 0, 118
Decimal	15532150
CIE _{Lab}	51.05, 79.96, 4.13
CIE _{LCh}	51, 80.066, 2.956
Yxy	19.3125, 0.5002, 0.2529
Android (android.graphics.Color)	4293722230 (0xFFED0076)
YUV	84.3150, 16.6067, 133.9047
Hunter-Lab	43.9460, 78.2355, 5.3251

Details

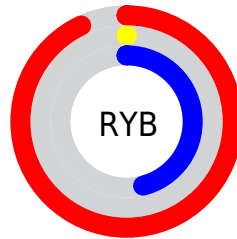
The XYZ color **38.1951, 19.3125, 18.8541** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **33.6177, 61.9018, 27.6457**, and the grayscale version is **8.4497, 8.8897, 9.6809**.

A 20% lighter version of the original color is **52.5879, 32.3467, 41.5021**, and **18.5610, 9.4409, 6.6383** is the 20% darker color. If you saturate the color by 10%, you get **38.1935, 19.3119, 18.8459**, and if you desaturate by 10%, it is **39.2693, 20.2567, 22.9251**.

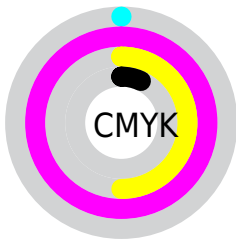
Distribution



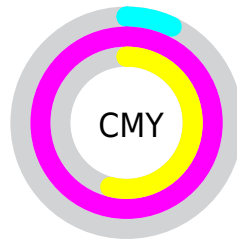
- Red (93%)
- Green (0%)
- Blue (46%)



- Red (93%)
- Yellow (0%)
- Blue (46%)



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





- Cyan (7%)
- Magenta (100%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1951, 19.3125, 18.8541 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 38.1951, 19.3125, 18.8541 by changing the saturation by 10% instead.


 38.1951, 19.3125,
18.8541


 38.1951, 19.3125,
18.8541


329.7226,
248.1685, 258.0380


 26.3120, 11.8963,
11.3892


 71.7090, 42.2615,
42.3208


 17.1911, 6.6731,
6.2118

 94.0707, 58.5631,
59.1597


 10.4670, 3.2585,
2.9034


 120.6558, 78.5952,
79.9603

 5.7743, 1.2681,
1.0455

 151.8299,
102.7424, 105.1411

 2.7477, 0.1163,
0.0000

 187.9583,
131.3889, 135.1208

 1.0218, 0.0000,
0.0000

 229.4063,

 0.0000, 0.0000,

164.9191, 170.3178

0.0000

276.5392,
203.7176, 211.1507

■ 38.1951, 19.3125,
18.8541

■ 38.1951, 19.3125,
18.8541

■ 38.1935, 19.3119,
18.8459

■ 39.2693, 20.2567,
22.9251

■ 40.8276, 22.0211,
27.6133

■ 42.9964, 24.8538,
32.9756

■ 45.8512, 28.9013,
39.0513

■ 49.4558, 34.2868,
45.8751

■ 53.8662, 41.1180,
53.4787

■ 59.1327, 49.4918,
61.8912

■ 65.3016, 59.4964,
71.1402

■ 72.4155, 71.2136,
81.2516

Harmonies

Analogous

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



35.5720, 19.3125, 47.8049



38.1951, 19.3125, 18.8541



34.3629, 19.3125, 5.0904

Triad

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



38.1951, 19.3125, 18.8541



11.2448, 19.3125, 1.5453



12.2567, 19.3125, 88.8821

Complementary

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



38.1951, 19.3125, 18.8541



33.6177, 61.9018, 27.6457

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.



8.3002, 19.3125, 54.8757



38.1951, 19.3125, 18.8541



7.8452, 19.3125, 6.7619

Square

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



38.1951, 19.3125, 18.8541



17.5803, 19.3125, 0.5634



6.9470, 19.3125, 23.3630



19.1541, 19.3125, 101.7981

Rectangle

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



38.1951, 19.3125, 18.8541



29.1654, 19.3125, 1.8806



6.9470, 19.3125, 23.3630



10.6141, 19.3125, 78.7317

Sweetspot

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



38.1956, 19.3137, 18.8544



69.7299, 58.2881, 72.9352



22.8295, 10.0041, 80.8484



14.3358, 11.5336, 14.6870



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.



38.1956, 19.3137, 18.8544



45.0665, 22.7906, 22.0798



34.9259, 18.0058, 1.6362



15.3781, 15.1791, 17.2766



20.9185, 10.5701, 10.6380



1.6912, 0.8494, 1.0910

Inverse Universe

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



38.1956, 19.3137, 18.8544



45.0665, 22.7906, 22.0798



45.5708, 66.6831, 90.5899



15.3781, 15.1791, 17.2766



20.9185, 10.5701, 10.6380



1.6912, 0.8494, 1.0910

Previews

White Background



This preview shows how the XYZ color 38.1951, 19.3125, 18.8541 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 38.1951, 19.3125, 18.8541 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 38.1951, 19.3125, 18.8541

Background



This preview shows how black text looks on a background with the XYZ color 38.1951, 19.3125, 18.8541.



This preview shows how white text looks on a background with the XYZ color 38.1951, 19.3125,

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

38.1951, 19.3125, 18.8541

Protanopia

20.6169, 20.1106, 41.3232

Deuteranopia

20.2881, 19.9391, 16.9667



Tritanopia

35.4613, 19.7307, 4.6287

Trichromacy



Original Color

38.1951, 19.3125, 18.8541



Protanomaly

22.1022, 14.7837, 31.3944



Deuteranomaly

23.4136, 15.5688, 17.1003



Tritanomaly

35.9278, 19.0718, 8.0909

Monochromacy



Original Color

38.1951, 19.3125, 18.8541



Achromatopsia

8.4267, 8.8656, 9.6546



Achromatomaly

14.1996, 8.9662, 12.0486

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1951, 19.3125, 18.8541 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, 118)` looks like.

```
.text, #text, p{  
    color:rgb(237, 0, 118)  
}
```

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, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(237, 0, 118) }
```

Border

The CSS property to change the border of an element to XYZ 38.1951, 19.3125, 18.8541 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, 118) }
```


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

```
.border{ border-color:rgb(237, 0, 118) }
```

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, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(237, 0, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(237, 0, 118);  
box-shadow:4px 4px 4px 4px rgb(237, 0,  
118) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1951, 19.3125, 18.8541 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, 118) }
```

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

```
.background{ background-color: rgb(237, 0,  
118) }
```

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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