

Converting Colors

XYZ(34.7170, 12.1025, 16.9136)

Have a look what the booklet for
XYZ(34.7170, 12.1025, 16.9136)
contains.

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Color

**XYZ(38.4123, 19.4381,
18.2504)**

Conversions

Conversions Part 1

Format	Color
Hex	EE0074
RGB	238, 0, 116
RGB Percent	93%, 0%, 45%
CMY	0.0667, 0.9998, 0.5451
CMYK	0.00, 1.00, 0.51, 0.07
HSL	331°, 100%, 47%
HSV	331°, 100%, 93%
XYZ	38.4123, 19.4381, 18.2504
YIQ	84.3860, 104.6120, 86.5320

Conversions

Conversions Part 2

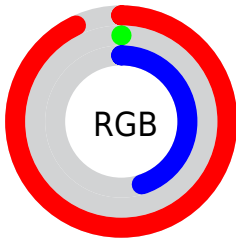
Format	Color
R_{YB}	238, 0, 116
Decimal	15597684
CIE _{Lab}	51.20, 80.03, 5.58
CIE _{LCh}	51, 80.227, 3.990
Yxy	19.4381, 0.5048, 0.2554
Android (android.graphics.Color)	4293787764 (0xFFEE0074)
YUV	84.3860, 15.5857, 134.7195
Hunter-Lab	44.0887, 78.3632, 6.3191

Details

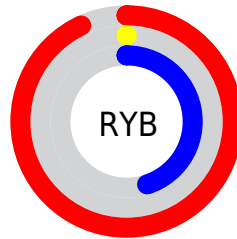
The XYZ color **38.4123, 19.4381, 18.2504** is a dark color, and the websafe version is hex **CC0066**. The color can be described as dark washed rose. A complement of this color would be **34.0914, 62.5558, 28.7080**, and the grayscale version is **8.4666, 8.9075, 9.7003**.

A 20% lighter version of the original color is **52.4908, 32.4529, 40.5433**, and **18.7226, 9.5313, 6.3218** is the 20% darker color. If you saturate the color by 10%, you get **38.4105, 19.4374, 18.2417**, and if you desaturate by 10%, it is **39.4931, 20.3883, 22.3461**.

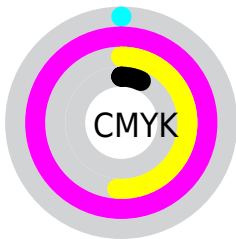
Distribution



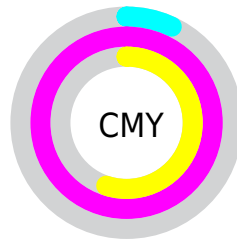
- Red (93%)
- Green (0%)
- Blue (45%)



- Red (93%)
- Yellow (0%)
- Blue (45%)



- Cyan (0%)
- Magenta (100%)
- Yellow (51%)
- Black (7%)





- Cyan (7%)
- Magenta (100%)
- Yellow (55%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.4123, 19.4381, 18.2504 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 38.4123, 19.4381, 18.2504 by changing the saturation by 10% instead.


 38.4123, 19.4381,
18.2504


 38.4123, 19.4381,
18.2504


330.6357,
248.8568, 254.5620


 26.4815, 11.9873,
10.9586


 72.0395, 42.4731,
41.2832


 17.3188, 6.7350,
5.9252


 94.4666, 58.8260,
57.8613


 10.5587, 3.2969,
2.7316


 121.1232, 78.9151,
78.3720

 5.8361, 1.2887,
0.9593

 152.3746,
103.1248, 103.2337

 2.7854, 0.1324,
0.0000

 188.5862,
131.8394, 132.8650

 1.0413, 0.0000,
0.0000

 230.1233,

 0.0000, 0.0000,

165.4433, 167.6845

0.0000

277.3514,
204.3210, 208.1106

■ 38.4123, 19.4381,
18.2504

■ 38.4123, 19.4381,
18.2504

■ 38.4105, 19.4374,
18.2417

■ 39.4931, 20.3883,
22.3461

■ 41.0664, 22.1684,
27.0827

■ 43.2596, 25.0288,
32.5189

■ 46.1495, 29.1175,
38.6954

■ 49.8005, 34.5590,
45.6483

■ 54.2695, 41.4623,
53.4105

■ 59.6076, 49.9254,
62.0127

■ 65.8616, 60.0376,
71.4832

■ 73.0747, 71.8812,
81.8491

Harmonies

Analogous

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



35.9926, 19.4381, 46.8940



38.4123, 19.4381, 18.2504



34.3519, 19.4381, 4.8722

Triad

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



38.4123, 19.4381, 18.2504



11.1530, 19.4381, 1.6344



12.5275, 19.4381, 90.3734

Complementary

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



38.4123, 19.4381, 18.2504



34.0914, 62.5558, 28.7080

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.



8.4457, 19.4381, 56.4890



38.4123, 19.4381, 18.2504



7.8275, 19.4381, 7.1459

Square

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



38.4123, 19.4381, 18.2504



17.4275, 19.4381, 0.5758



7.0022, 19.4381, 24.3740



19.5643, 19.4381, 102.3032

Rectangle

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



38.4123, 19.4381, 18.2504



29.0512, 19.4381, 1.8010



7.0022, 19.4381, 24.3740



10.8393, 19.4381, 80.3742

Sweetspot

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



38.4128, 19.4393, 18.2507



69.6259, 58.2465, 72.3875



23.0448, 10.0982, 81.6232



14.3112, 11.5237, 14.5577



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.



38.4128, 19.4393, 18.2507



44.8943, 22.7217, 21.1731



35.2607, 18.1784, 1.6520



16.0938, 15.8872, 18.0500



21.4942, 10.8701, 10.5189



1.8382, 0.9243, 1.1390

Inverse Universe

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



38.4128, 19.4393, 18.2507



44.8943, 22.7217, 21.1731



46.0077, 67.3223, 91.4583



16.0938, 15.8872, 18.0500



21.4942, 10.8701, 10.5189



1.8382, 0.9243, 1.1390

Previews

White Background



This preview shows how the XYZ color 38.4123, 19.4381, 18.2504 looks on a white background.

Color Contrast Check

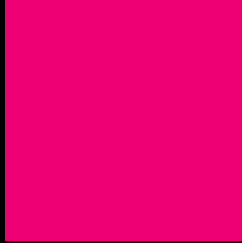
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.4123, 19.4381, 18.2504 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 38.4123, 19.4381, 18.2504

Background



This preview shows how black text looks on a background with the XYZ color 38.4123, 19.4381, 18.2504.



This preview shows how white text looks on a background with the XYZ color 38.4123, 19.4381,

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

38.4123, 19.4381, 18.2504

Protanopia

20.4578, 20.0612, 39.8397

Deuteranopia

20.3537, 19.9850, 16.4204



Tritanopia

35.7311, 19.8134, 4.5259

Trichromacy



Original Color

38.4123, 19.4381, 18.2504



Protanomaly

22.0538, 14.7868, 30.1255



Deuteranomaly

23.5304, 15.6418, 16.5308



Tritanomaly

36.1688, 19.1665, 7.7544

Monochromacy



Original Color

38.4123, 19.4381, 18.2504



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 38.4123, 19.4381, 18.2504 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(238, 0, 116)` looks like.

```
.text, #text, p{  
    color:rgb(238, 0, 116)  
}
```

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(238, 0, 116) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(238, 0, 116) }
```

Border

The CSS property to change the border of an element to XYZ 38.4123, 19.4381, 18.2504 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(238, 0, 116) }
```


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

```
.border{ border-color:rgb(238, 0, 116) }
```

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

Here you see how a box with a 4 pixel rgb(238, 0, 116) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(238, 0, 116); -webkit-box-  
shadow:4px 4px 4px 4px rgb(238, 0, 116);  
box-shadow:4px 4px 4px 4px rgb(238, 0,  
116) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4123, 19.4381, 18.2504 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(238, 0, 116) }
```

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

```
.background{ background-color: rgb(238, 0,  
116) }
```

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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