

Converting Colors

XYZ(38.3361, 18.8999, 40.7888)

Have a look what the booklet for
XYZ(38.3361, 18.8999, 40.7888)
contains.

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Color

**XYZ(38.1869, 18.8259,
40.6508)**

Conversions

Conversions Part 1

Format	Color
Hex	E000AC
RGB	224, 0, 172
RGB Percent	88%, 0%, 67%
CMY	0.1216, 0.9998, 0.3255
CMYK	0.00, 1.00, 0.23, 0.12
HSL	314°, 100%, 44%
HSV	314°, 100%, 88%
XYZ	38.1869, 18.8259, 40.6508
YIQ	86.5840, 78.2920, 100.9800

Conversions

Conversions Part 2

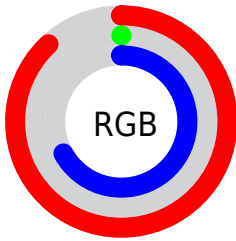
Format	Color
RYB	224, 0, 172
Decimal	14680236
CIELab	50.48, 82.38, -29.39
CIELCh	50, 87.466, 340.368
Yxy	18.8259, 0.3910, 0.1928
Android (android.graphics.Color)	4292870316 (0xFFE000AC)
YUV	86.5840, 42.1101, 120.5138
Hunter-Lab	43.3888, 81.1690, -25.1764

Details

The XYZ color **38.1869, 18.8259, 40.6508** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **27.2772, 53.5602, 12.1546**, and the grayscale version is **8.8763, 9.3386, 10.1697**.

A 20% lighter version of the original color is **59.3358, 35.0459, 77.0360**, and **18.6396, 9.2244, 18.2508** is the 20% darker color. If you saturate the color by 10%, you get **38.1861, 18.8255, 40.6458**, and if you desaturate by 10%, it is **38.9920, 19.6207, 43.4323**.

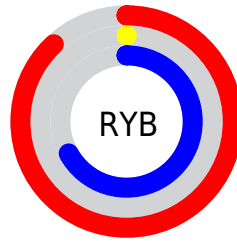
Distribution



Red (88%)

Green (0%)

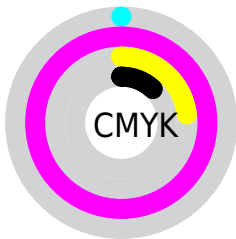
Blue (67%)



Red (88%)

Yellow (0%)

Blue (67%)

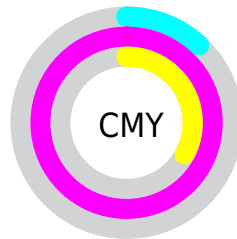


Cyan (0%)

Magenta (100%)

Yellow (23%)

Black (12%)



Cyan (12%)


Magenta (100%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1869, 18.8259, 40.6508 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 38.1869, 18.8259, 40.6508 by changing the saturation by 10% instead.


 38.1869, 18.8259,
40.6508

 38.1869, 18.8259,
40.6508


329.6881,
245.4859, 364.4923

 26.3057, 11.5445,
27.7287


 71.6966, 41.4397,
77.4014


 17.1863, 6.4344,
17.8840


 94.0557, 57.5409,
102.0670

 10.4635, 3.1110,
10.6981


 120.6382, 77.3509,
131.4841

 5.7720, 1.1899,
5.7526

 151.8093,
101.2541, 166.0714

 2.7463, 0.0535,
2.6289

 187.9346,
129.6347, 206.2473

 1.0210, 0.0000,
0.9073

 229.3792,

 0.0000, 0.0000,

162.8773, 252.4304

0.0000

276.5086,
201.3663, 305.0392

■ 38.1869, 18.8259,
40.6508

■ 38.1869, 18.8259,
40.6508

■ 38.1861, 18.8255,
40.6458

■ 38.9920, 19.6207,
43.4323

■ 40.1582, 21.1064,
46.4317

■ 41.7967, 23.5046,
49.6870

■ 43.9707, 26.9414,
53.2205

■ 46.7334, 31.5230,
57.0509

■ 50.1314, 37.3424,
61.1947

■ 54.2067, 44.4829,
65.6669

■ 58.9975, 53.0208,
70.4812

■ 64.5390, 63.0264,
75.6503

Harmonies

Analogous

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



30.7417, 18.8259, 81.0621



38.1869, 18.8259, 40.6508



39.3335, 18.8259, 13.1600

Triad

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



38.1869, 18.8259, 40.6508



15.1038, 18.8259, 0.0701



8.0881, 18.8259, 68.3854

Complementary

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



38.1869, 18.8259, 40.6508



27.2772, 53.5602, 12.1546

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.



6.1312, 18.8259, 30.1557



38.1869, 18.8259, 40.6508



9.2410, 18.8259, 1.5038

Square

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



38.1869, 18.8259, 40.6508



23.9821, 18.8259, 0.3257



6.4727, 18.8259, 8.4292



12.9338, 18.8259, 104.0672

Rectangle

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



38.1869, 18.8259, 40.6508



36.0794, 18.8259, 4.7504



6.4727, 18.8259, 8.4292



7.1530, 18.8259, 54.5484

Sweetspot

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



38.1875, 18.8269, 40.6511



72.5809, 59.4285, 87.9482



14.7010, 6.0251, 70.9095



15.0159, 11.8056, 18.2684



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.



38.1875, 18.8269, 40.6511



51.1801, 25.2360, 54.2739



31.6523, 16.2128, 6.2371



14.1518, 13.8783, 16.5694



22.2732, 10.9763, 23.9019



1.5773, 0.7742, 1.8331

Inverse Universe

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



38.1875, 18.8269, 40.6511



51.1801, 25.2360, 54.2739



33.0494, 55.8691, 42.5507



14.1518, 13.8783, 16.5694



22.2732, 10.9763, 23.9019



1.5773, 0.7742, 1.8331

Previews

White Background



This preview shows how the XYZ color 38.1869, 18.8259, 40.6508 looks on a white background.

Color Contrast Check

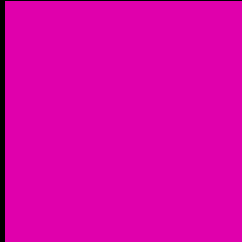
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.1869, 18.8259, 40.6508 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 38.1869, 18.8259, 40.6508

Background



This preview shows how black text looks on a background with the XYZ color 38.1869, 18.8259, 40.6508.



This preview shows how white text looks on a background with the XYZ color 38.1869, 18.8259,

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

38.1869, 18.8259, 40.6508

Protanopia

23.5351, 19.8636, 88.1816

Deuteranopia

19.8316, 19.4509, 36.4274



Tritanopia

31.5234, 19.1881, 8.0034

Trichromacy



Original Color

38.1869, 18.8259, 40.6508



Protanomaly

20.8799, 13.0372, 67.7456



Deuteranomaly

22.5128, 14.6578, 37.2400



Tritanomaly

32.7841, 17.8705, 15.9088

Monochromacy



Original Color

38.1869, 18.8259, 40.6508



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

14.9527, 9.3587, 18.1579

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1869, 18.8259, 40.6508 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(224, 0, 172)` looks like.

```
.text, #text, p{  
    color:rgb(224, 0, 172)  
}
```

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(224, 0, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 0, 172) }
```

Border

The CSS property to change the border of an element to XYZ 38.1869, 18.8259, 40.6508 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(224, 0, 172) }
```


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

```
.border{ border-color:rgb(224, 0, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(224, 0, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 0, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 0, 172);  
box-shadow:4px 4px 4px 4px rgb(224, 0,  
172) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1869, 18.8259, 40.6508 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 0, 172) }
```

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

```
.background{ background-color: rgb(224, 0,  
172) }
```

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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