

Converting Colors

XYZ(38.7241, 19.1473, 38.6664)

Have a look what the booklet for
XYZ(38.7241, 19.1473, 38.6664)
contains.

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Color

**XYZ(38.7464, 19.1580,
38.7015)**

Conversions

Conversions Part 1

Format	Color
Hex	E300A8
RGB	227, 0, 168
RGB Percent	89%, 0%, 66%
CMY	0.1098, 0.9998, 0.3412
CMYK	0.00, 1.00, 0.26, 0.11
HSL	316°, 100%, 45%
HSV	316°, 100%, 89%
XYZ	38.7464, 19.1580, 38.7015
YIQ	87.0250, 81.3640, 100.3720

Conversions

Conversions Part 2

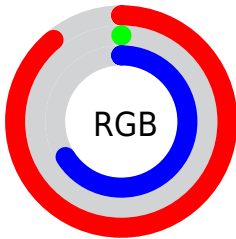
Format	Color
R_{YB}	227, 0, 168
Decimal	14876840
CIE _{Lab}	50.87, 82.50, -26.38
CIE _{LCh}	51, 86.613, 342.270
Yxy	19.1580, 0.4011, 0.1983
Android (android.graphics.Color)	4293066920 (0xFFE300A8)
YUV	87.0250, 39.9207, 122.7581
Hunter-Lab	43.7699, 81.4164, -21.7856

Details

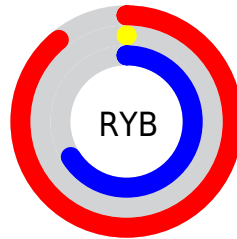
The XYZ color **38.7464, 19.1580, 38.7015** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **28.2602, 55.2548, 13.3193**, and the grayscale version is **8.9743, 9.4417, 10.2820**.

A 20% lighter version of the original color is **58.7422, 34.9535, 73.4627**, and **18.8783, 9.3679, 17.3362** is the 20% darker color. If you saturate the color by 10%, you get **38.7455, 19.1577, 38.6962**, and if you desaturate by 10%, it is **39.6103, 19.9857, 41.7640**.

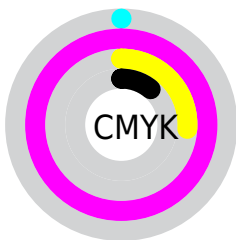
Distribution



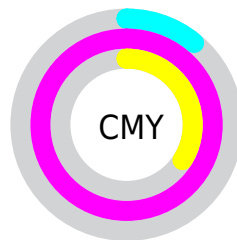
- Red (89%)
- Green (0%)
- Blue (66%)



- Red (89%)
- Yellow (0%)
- Blue (66%)



- Cyan (0%)
- Magenta (100%)
- Yellow (26%)
- Black (11%)





- Cyan (11%)
- Magenta (100%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.7464, 19.1580, 38.7015 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 38.7464, 19.1580, 38.7015 by changing the saturation by 10% instead.


 38.7464, 19.1580,
38.7015


 38.7464, 19.1580,
38.7015

332.0368,
247.3196, 356.0077

 26.7423, 11.7845,
26.2215


 72.5473, 42.0009,
74.3974


 17.5154, 6.5971,
16.7622


 95.0748, 58.2391,
98.4504


 10.7002, 3.2114,
9.9049


 121.8409, 78.2010,
127.1982

 5.9314, 1.2431,
5.2312

 153.2109,
102.2710, 161.0593

 2.8437, 0.0965,
2.3224

 189.5501,
130.8334, 200.4523

 1.0716, 0.0000,
0.7437

 231.2240,

 0.0012, 0.0000,

164.2728, 245.7957

0.0000

278.5977,
202.9734, 297.5080

■ 0.0000, 0.0000,
0.0000

■ 38.7464, 19.1580,
38.7015

■ 38.7464, 19.1580,
38.7015

■ 38.7455, 19.1577,
38.6962

■ 39.6103, 19.9857,
41.7640

■ 40.8521, 21.5289,
45.0770

■ 42.5859, 24.0151,
48.6802

■ 44.8770, 27.5746,
52.5970

■ 47.7807, 32.3172,
56.8473

■ 51.3452, 38.3390,
61.4485

■ 55.6138, 45.7264,
66.4167

■ 60.6262, 54.5579,
71.7664

■ 66.4190, 64.9063,
77.5112

Harmonies

Analogous

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



31.6321, 19.1580, 78.5692



38.7464, 19.1580, 38.7015



39.4199, 19.1580, 12.3793

Triad

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



38.7464, 19.1580, 38.7015



14.9387, 19.1580, 0.2150



8.5630, 19.1580, 71.1494

Complementary

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



38.7464, 19.1580, 38.7015



28.2602, 55.2548, 13.3193

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.



6.4179, 19.1580, 32.5302



38.7464, 19.1580, 38.7015



9.2493, 19.1580, 1.8271

Square

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



38.7464, 19.1580, 38.7015



23.6795, 19.1580, 0.3643



6.6220, 19.1580, 9.5687



13.6537, 19.1580, 105.3209

Rectangle

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



38.7464, 19.1580, 38.7015



35.9138, 19.1580, 4.4814



6.6220, 19.1580, 9.5687



7.5573, 19.1580, 57.3723

Sweetspot

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



38.7470, 19.1590, 38.7018



72.2718, 59.3048, 86.3207



15.5406, 6.4105, 73.0915



14.9416, 11.7759, 17.8770



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.



38.7470, 19.1590, 38.7018



50.3939, 24.9215, 50.1336



32.4122, 16.6251, 5.3431



14.8267, 14.5479, 17.2879



22.6465, 11.1928, 22.8315



1.7109, 0.8421, 1.8843

Inverse Universe

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



38.7470, 19.1590, 38.7018



50.3939, 24.9215, 50.1336



34.7501, 57.8508, 47.4946



14.8267, 14.5479, 17.2879



22.6465, 11.1928, 22.8315



1.7109, 0.8421, 1.8843

Previews

White Background



This preview shows how the XYZ color 38.7464, 19.1580, 38.7015 looks on a white background.

Color Contrast Check

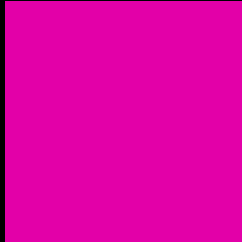
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.7464, 19.1580, 38.7015 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

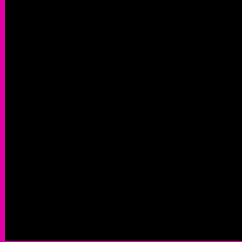
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 38.7464, 19.1580, 38.7015

Background



This preview shows how black text looks on a background with the XYZ color 38.7464, 19.1580, 38.7015.



This preview shows how white text looks on a background with the XYZ color 38.7464, 19.1580,

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

38.7464, 19.1580, 38.7015

Protanopia

23.5421, 20.1295, 84.3059

Deuteranopia

20.2593, 19.8910, 34.6699



Tritanopia

32.5376, 19.5417, 7.6872

Trichromacy



Original Color

38.7464, 19.1580, 38.7015



Protanomaly

21.6649, 13.6178, 64.4374



Deuteranomaly

22.9915, 15.0491, 35.4112



Tritanomaly

33.8092, 18.3638, 15.1272

Monochromacy



Original Color

38.7464, 19.1580, 38.7015



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

14.9998, 9.3966, 17.5461

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.7464, 19.1580, 38.7015 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(227, 0, 168)` looks like.

```
.text, #text, p{  
    color:rgb(227, 0, 168)  
}
```

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(227, 0, 168) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(227, 0, 168) }
```

Border

The CSS property to change the border of an element to XYZ 38.7464, 19.1580, 38.7015 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(227, 0, 168) }
```


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

```
.border{ border-color:rgb(227, 0, 168) }
```

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

Here you see how a box with a 4 pixel `rgb(227, 0, 168)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(227, 0, 168); -webkit-box-shadow:4px 4px 4px 4px rgb(227, 0, 168); box-shadow:4px 4px 4px 4px rgb(227, 0, 168) }
```

Background

The CSS property to change the background color of an element to XYZ 38.7464, 19.1580, 38.7015 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(227, 0, 168) }
```

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

```
.background{ background-color: rgb(227, 0,  
168) }
```

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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