

Converting Colors

XYZ(38.5288, 19.7414, 63.8364)

Have a look what the booklet for
XYZ(38.5288, 19.7414, 63.8364)
contains.

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Color

**XYZ(38.4438, 19.6748,
64.0588)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|----------------------------|
| Hex | CF2AD4 |
| RGB | 207, 42, 212 |
| RGB Percent | 81%, 16%, 83% |
| CMY | 0.1882, 0.8353, 0.1686 |
| CMYK | 0.02, 0.80, 0.00, 0.17 |
| HSL | 298°, 67%, 50% |
| HSV | 298°, 80%, 83% |
| XYZ | 38.4438, 19.6748, 64.0588 |
| YIQ | 110.7150, 43.7700, 87.8500 |

Conversions

Conversions Part 2

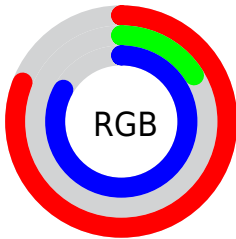
| Format | Color |
|-------------------------------------|-------------------------------|
| R_{YB} | 207, 42, 212 |
| Decimal | 13576916 |
| CIE Lab | 51.47, 78.96, -51.26 |
| CIE LCh | 51, 94.143, 327.009 |
| Yxy | 19.6748, 0.3147, 0.1610 |
| Android (android.graphics.Color) | 4291766996 (0xFFCF2AD4) |
| YUV | 110.7150, 49.9335, 84.4419 |
| Hunter-Lab | 44.3563, 77.0833, -54.5765 |

Details

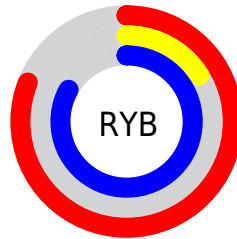
The XYZ color **38.4438, 19.6748, 64.0588** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **25.1343, 47.8590, 10.1043**, and the grayscale version is **14.8799, 15.6548, 17.0481**.

A 20% lighter version of the original color is **64.7586, 39.4173, 98.8029**, and **18.2985, 8.7302, 32.6189** is the 20% darker color. If you saturate the color by 10%, you get **37.7071, 18.4588, 63.8632**, and if you desaturate by 10%, it is **39.5800, 21.6873, 64.3876**.

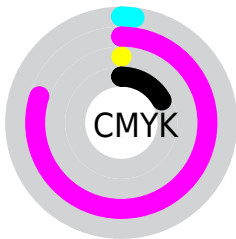
Distribution



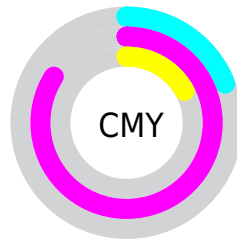
- Red (81%)
- Green (16%)
- Blue (83%)



- Red (81%)
- Yellow (16%)
- Blue (83%)



- Cyan (2%)
- Magenta (80%)
- Yellow (0%)
- Black (17%)




- Cyan (19%)
- Magenta (84%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4438, 19.6748, 64.0588 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 38.4438, 19.6748, 64.0588 by changing the saturation by 10% instead.


 38.4438, 19.6748,
64.0588


 38.4438, 19.6748,
64.0588


330.7680,
250.1491, 457.6152


 26.5061, 12.1589,
46.2518


 72.0874, 42.8713,
112.2959


 17.3373, 6.8520,
32.0945


 94.5240, 59.3206,
143.5631

 10.5721, 3.3697,
21.1683


 121.1909, 79.5166,
180.1541

 5.8450, 1.3277,
13.0546

 152.4535,
103.8435, 222.4874

 2.7908, 0.1625,
7.3350

 188.6772,
132.6859, 270.9817

 1.0441, 0.0000,
3.5909

230.2272,

 0.0000, 0.0000,

166.4280, 326.0554

1.4037

277.4690,
205.4543, 388.1271

■ 0.0000, 0.0000,
0.1446

■ 0.0000, 0.0000,
0.0000

■ 38.4438, 19.6748,
64.0588

■ 38.4438, 19.6748,
64.0588

■ 37.7071, 18.4588,
63.8632

■ 39.5800, 21.6873,
64.3876

■ 37.2725, 17.8419,
63.7670

■ 41.1682, 24.6038,
64.8669

■ 43.2558, 28.5178,
65.5123

■ 45.8833, 33.5107,
66.3376

■ 49.0872, 39.6553,
67.3547

■ 52.9008, 47.0182,
68.5749

■ 57.3548, 55.6609,
70.0084

■ 62.4779, 65.6408,
71.6647

■ 68.2970, 77.0117,
73.5528

Harmonies

Analogous

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



28.2198, 19.6748, 109.2081



38.4438, 19.6748, 64.0588



43.3322, 19.6748, 24.2532

Triad

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



38.4438, 19.6748, 64.0588



19.6642, 19.6748, 0.0000



6.7378, 19.6748, 54.7876

Complementary

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



38.4438, 19.6748, 64.0588



25.1343, 47.8590, 10.1043

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.



5.7951, 19.6748, 18.8211



38.4438, 19.6748, 64.0588



11.6058, 19.6748, 0.3399

Square

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



38.4438, 19.6748, 64.0588



30.4351, 19.6748, 0.6834



7.2292, 19.6748, 3.7483



10.4519, 19.6748, 101.3637

Rectangle

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



38.4438, 19.6748, 64.0588



41.9985, 19.6748, 9.5256



7.2292, 19.6748, 3.7483



6.1547, 19.6748, 40.5232

Sweetspot

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



38.4446, 19.6757, 64.0592



77.8783, 66.6349, 103.3649



13.8827, 7.3334, 62.9715



16.2292, 13.4136, 21.9837



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.



38.4446, 19.6757, 64.0592



56.8017, 27.3616, 96.8953



32.1907, 17.3381, 23.7213



12.9152, 12.6132, 15.6914



23.0258, 11.0227, 39.3672



1.4004, 0.6708, 2.3750

Inverse Universe

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



28.4930, 15.8590, 4.2495



41.4550, 21.5232, 2.5163



27.9708, 48.9684, 26.1758



12.4379, 12.4267, 12.9803



16.7895, 8.6521, 0.9294



1.0180, 0.5240, 0.0841

Previews

White Background



This preview shows how the XYZ color 38.4438, 19.6748, 64.0588 looks on a white background.

Color Contrast Check

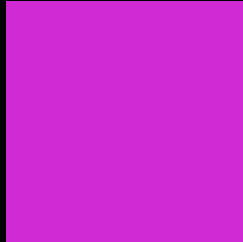
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.4438, 19.6748, 64.0588 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

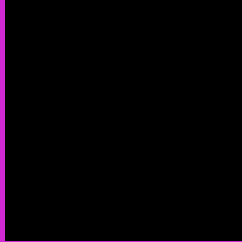
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.4438, 19.6748, 64.0588

Background



This preview shows how black text looks on a background with the XYZ color 38.4438, 19.6748, 64.0588.



This preview shows how white text looks on a background with the XYZ color 38.4438, 19.6748,

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

38.4438, 19.6748, 64.0588

Protanopia

24.1675, 20.2219, 94.7249

Deuteranopia

20.6135, 20.1219, 57.4411



Tritanopia

28.0156, 19.6262, 13.3780

Trichromacy



Original Color

38.4438, 19.6748, 64.0588



Protanomaly

21.9288, 15.0925, 81.8781



Deuteranomaly

23.2140, 16.6501, 59.1170



Tritanomaly

30.5232, 18.7422, 26.0536

Monochromacy



Original Color

38.4438, 19.6748, 64.0588



Achromatopsia

15.1092, 15.8961, 17.3108



Achromatomaly

20.5271, 14.9047, 29.8120

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4438, 19.6748, 64.0588 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(207, 42, 212)` looks like.

```
.text, #text, p{  
    color:rgb(207, 42, 212)  
}
```

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(207, 42, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 42, 212) }
```

Border

The CSS property to change the border of an element to XYZ 38.4438, 19.6748, 64.0588 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(207, 42, 212) }
```


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

```
.border{ border-color:rgb(207, 42, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 42, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 42, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 42, 212);  
box-shadow:4px 4px 4px 4px rgb(207, 42,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4438, 19.6748, 64.0588 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 42, 212) }
```

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

```
.background{ background-color: rgb(207, 42,  
212) }
```

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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