

Converting Colors

XYZ(38.7907, 18.8134, 55.3077)

Have a look what the booklet for
XYZ(38.7907, 18.8134, 55.3077)
contains.

XYZ(38.8083, 18.8289, 55.0150)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(38.8083, 18.8289,
55.0150)**

Conversions

Conversions Part 1

Format	Color
Hex	D900C6
RGB	217, 0, 198
RGB Percent	85%, 0%, 78%
CMY	0.1490, 0.9999, 0.2235
CMYK	0.00, 1.00, 0.09, 0.15
HSL	305°, 100%, 43%
HSV	305°, 100%, 85%
XYZ	38.8083, 18.8289, 55.0150
YIQ	87.4550, 65.7740, 107.5820

Conversions

Conversions Part 2

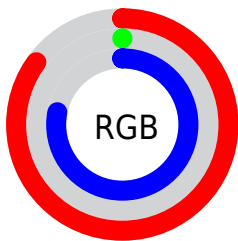
Format	Color
RYB	217, 0, 198
Decimal	14221510
CIELab	50.49, 84.36, -44.66
CIElCh	50, 95.451, 332.100
Yxy	18.8289, 0.3445, 0.1671
Android (android.graphics.Color)	4292411590 (0xFFD900C6)
YUV	87.4550, 54.4987, 113.6110
Hunter-Lab	43.3923, 83.7067, -44.7964

Details

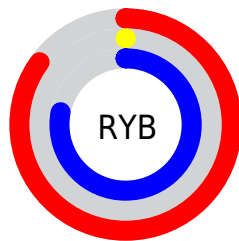
The XYZ color **38.8083, 18.8289, 55.0150** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **24.9314, 49.6736, 8.8916**, and the grayscale version is **9.0375, 9.5081, 10.3543**.

A 20% lighter version of the original color is **63.3822, 36.6644, 98.3441**, and **18.8626, 9.1513, 26.7588** is the 20% darker color. If you saturate the color by 10%, you get **38.8083, 18.8290, 55.0135**, and if you desaturate by 10%, it is **39.3111, 19.4810, 56.2711**.

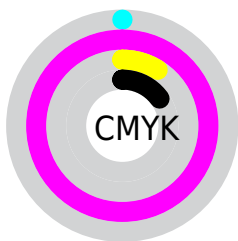
Distribution



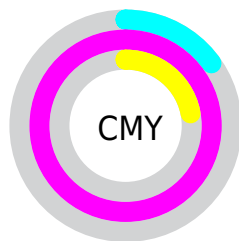
- Red (85%)
- Green (0%)
- Blue (78%)



- Red (85%)
- Yellow (0%)
- Blue (78%)



- Cyan (0%)
- Magenta (100%)
- Yellow (9%)
- Black (15%)





- Cyan (15%)
- Magenta (100%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.8083, 18.8289, 55.0150 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 38.8083, 18.8289, 55.0150 by changing the saturation by 10% instead.


 38.8083, 18.8289,
55.0150


 38.8083, 18.8289,
55.0150

332.2960,
245.5026, 423.2523

 26.7907, 11.5467,
39.0150


 72.6413, 41.4448,
99.0343


 17.5519, 6.4358,
26.4635


 95.1874, 57.5473,
127.8907

 10.7265, 3.1119,
16.9419


 121.9738, 77.3586,
161.8697

 5.9491, 1.1904,
10.0315

 153.3657,
101.2633, 201.3899

 2.8545, 0.0539,
5.3140

 189.7285,
129.6456, 246.8697

 1.0773, 0.0000,
2.3707

 231.4276,

 0.0060, 0.0000,

162.8900, 298.7276

0.7704

278.8283,
201.3808, 357.3823

■ 0.0000, 0.0000,
0.0000

■ 38.8083, 18.8289,
55.0150

■ 38.8083, 18.8289,
55.0150

■ 38.8083, 18.8290,
55.0135

■ 39.3111, 19.4810,
56.2711

■ 40.1324, 20.7662,
57.6468

■ 41.3768, 22.8931,
59.1772

■ 43.1026, 25.9783,
60.8818

■ 45.3586, 30.1195,
62.7769

■ 48.1879, 35.4029,
64.8769

■ 51.6290, 41.9053,
67.1947

■ 55.7171, 49.6972,
69.7420

■ 60.4847, 58.8437,
72.5299

Harmonies

Analogous

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



29.1801, 18.8289, 101.6818



38.8083, 18.8289, 55.0150



42.3743, 18.8289, 18.6812

Triad

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



38.8083, 18.8289, 55.0150



17.2489, 18.8289, 0.0000



6.6201, 18.8289, 61.5346

Complementary

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



38.8083, 18.8289, 55.0150



24.9314, 49.6736, 8.8916

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.



5.3143, 18.8289, 22.4363



38.8083, 18.8289, 55.0150



9.9764, 18.8289, 0.4326

Square

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



38.8083, 18.8289, 55.0150



27.6356, 18.8289, 0.1880



6.2881, 18.8289, 4.6620



10.7652, 18.8289, 107.2387

Rectangle

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



38.8083, 18.8289, 55.0150



40.1034, 18.8289, 6.6394



6.2881, 18.8289, 4.6620



5.9150, 18.8289, 46.4358

Sweetspot

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



38.8090, 18.8298, 55.0154



74.2500, 60.0961, 96.7380



12.7765, 5.1402, 65.9651



15.4196, 11.9671, 20.3941



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.



38.8090, 18.8298, 55.0154



55.9007, 27.1243, 79.1321



30.4800, 15.4982, 11.1555



13.5626, 13.2542, 16.2241



23.5122, 11.4059, 33.4071



1.5380, 0.7448, 2.2420

Inverse Universe

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



38.8090, 18.8298, 55.0154



55.9007, 27.1243, 79.1321



28.6181, 51.1483, 28.3058



13.5626, 13.2542, 16.2241



23.5122, 11.4059, 33.4071



1.5380, 0.7448, 2.2420

Previews

White Background



This preview shows how the XYZ color 38.8083, 18.8289, 55.0150 looks on a white background.

Color Contrast Check

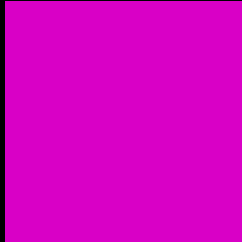
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.8083, 18.8289, 55.0150 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

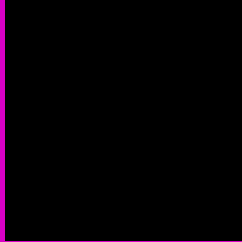
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.8083, 18.8289, 55.0150

Background



This preview shows how black text looks on a background with the XYZ color 38.8083, 18.8289, 55.0150.



This preview shows how white text looks on a background with the XYZ color 38.8083, 18.8289,

55.0150.

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

38.8083, 18.8289, 55.0150

Protanopia

23.5773, 19.7964, 92.2010

Deuteranopia

19.9167, 19.3936, 49.1480



Tritanopia

29.7393, 19.1951, 10.3212

Trichromacy



Original Color

38.8083, 18.8289, 55.0150



Protanomaly

20.0235, 12.4076, 76.2025



Deuteranomaly

22.1015, 14.2597, 50.3027



Tritanomaly

31.4206, 17.4635, 21.1168

Monochromacy



Original Color

38.8083, 18.8289, 55.0150



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

15.0285, 9.3330, 21.0880

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8083, 18.8289, 55.0150 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(217, 0, 198)` looks like.

```
.text, #text, p{  
    color:rgb(217, 0, 198)  
}
```

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(217, 0, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 0, 198) }
```

Border

The CSS property to change the border of an element to XYZ 38.8083, 18.8289, 55.0150 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(217, 0, 198) }
```


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

```
.border{ border-color:rgb(217, 0, 198) }
```

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

Here you see how a box with a 4 pixel rgb(217, 0, 198) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 0, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 0, 198);  
box-shadow:4px 4px 4px 4px rgb(217, 0,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8083, 18.8289, 55.0150 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 0, 198) }
```

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

```
.background{ background-color: rgb(217, 0,  
198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor