

Converting Colors

XYZ(38.1774, 19.8427, 57.6950)

Have a look what the booklet for
XYZ(38.1774, 19.8427, 57.6950)
contains.

XYZ(38.1774, 19.8427, 57.6950)	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(38.1774, 19.8427,
57.6950)**

Conversions

Conversions Part 1

Format	Color
Hex	D22DCA
RGB	210, 45, 202
RGB Percent	82%, 18%, 79%
CMY	0.1765, 0.8235, 0.2078
CMYK	0.00, 0.79, 0.04, 0.18
HSL	303°, 65%, 50%
HSV	303°, 79%, 82%
XYZ	38.1774, 19.8427, 57.6950
YIQ	112.2330, 47.9430, 83.8070

Conversions

Conversions Part 2

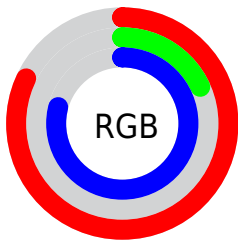
Format	Color
RYB	210, 45, 202
Decimal	13774282
CIELab	51.66, 77.28, -45.19
CIELCh	52, 89.523, 329.684
Yxy	19.8427, 0.3299, 0.1715
Android (android.graphics.Color)	4291964362 (0xFFD22DCA)
YUV	112.2330, 44.2551, 85.7417
Hunter-Lab	44.5451, 75.0294, -45.6110

Details

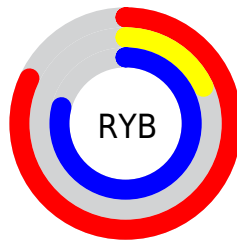
The XYZ color **38.1774, 19.8427, 57.6950** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light washed magenta. A complement of this color would be **24.7724, 46.9090, 11.1182**, and the grayscale version is **15.3354, 16.1340, 17.5699**.

A 20% lighter version of the original color is **64.9744, 39.8489, 98.8748**, and **18.0290, 8.6859, 28.3301** is the 20% darker color. If you saturate the color by 10%, you get **37.4460, 18.5717, 56.8584**, and if you desaturate by 10%, it is **39.3092, 21.9121, 58.6693**.

Distribution



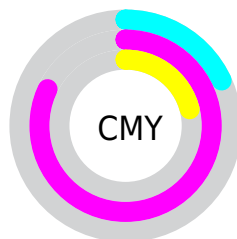
- Red (82%)
- Green (18%)
- Blue (79%)



- Red (82%)
- Yellow (18%)
- Blue (79%)



- Cyan (0%)
- Magenta (79%)
- Yellow (4%)
- Black (18%)





- Cyan (18%)
- Magenta (82%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.1774, 19.8427, 57.6950 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 38.1774, 19.8427, 57.6950 by changing the saturation by 10% instead.


 38.1774, 19.8427,
57.6950


 38.1774, 19.8427,
57.6950

329.6481,
251.0623, 433.6149


 26.2982, 12.2808,
41.1504

 71.6821, 43.1533,
102.9890


 17.1807, 6.9352,
28.1161


 94.0384, 59.6707,
132.5754

 10.4595, 3.4216,
18.1734


 120.6177, 79.9421,
167.3463

 5.7693, 1.3556,
10.9038

 151.7855,
104.3519, 207.7200

 2.7446, 0.1837,
5.8888

 187.9071,
133.2844, 254.1152

 1.0202, 0.0000,
2.7099

229.3478,

 0.0000, 0.0000,

167.1240, 306.9504

0.9484

276.4730,
206.2552, 366.6441

■ 0.0000, 0.0000,
0.0000

■ 38.1774, 19.8427,
57.6950

■ 38.1774, 19.8427,
57.6950

■ 37.4460, 18.5717,
56.8584

■ 39.3092, 21.9121,
58.6693

■ 37.0324, 17.9356,
56.1315

■ 40.8912, 24.8813,
59.7974

■ 36.9827, 17.8634,
56.0308

■ 42.9685, 28.8396,
61.0946

■ 45.5799, 33.8649,
62.5738

■ 48.7605, 40.0274,
64.2466

■ 52.5424, 47.3912,
66.1239

■ 56.9553, 56.0157,
68.2155

■ 62.0269, 65.9563,
70.5306

■ 67.7833, 77.2652,
73.0779

Harmonies

Analogous

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



28.8349, 19.8427, 100.0338



38.1774, 19.8427, 57.6950



42.1050, 19.8427, 21.8805

Triad

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



38.1774, 19.8427, 57.6950



18.9557, 19.8427, 0.0000



7.4372, 19.8427, 56.7862

Complementary

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



38.1774, 19.8427, 57.6950



24.7724, 46.9090, 11.1182

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.



6.2777, 19.8427, 21.3324



38.1774, 19.8427, 57.6950



11.5000, 19.8427, 0.7895

Square

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



38.1774, 19.8427, 57.6950



29.0554, 19.8427, 0.8240



7.4887, 19.8427, 4.9677



11.3812, 19.8427, 99.2744

Rectangle

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



38.1774, 19.8427, 57.6950



40.3954, 19.8427, 8.8084



7.4887, 19.8427, 4.9677



6.7778, 19.8427, 43.0645

Sweetspot

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



38.1782, 19.8436, 57.6954



78.0631, 66.7849, 100.8987



13.9124, 7.2219, 61.6342



16.2747, 13.4505, 21.3781



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.



38.1782, 19.8436, 57.6954



57.6497, 28.1040, 87.4786



31.0307, 16.9846, 20.0571



12.2850, 11.9987, 14.7767



22.5697, 10.9007, 34.2359



1.2698, 0.6126, 1.9553

Inverse Universe

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



38.1782, 19.8436, 57.6954



57.6497, 28.1040, 87.4786



28.3635, 48.3455, 30.0289



12.2850, 11.9987, 14.7767



22.5697, 10.9007, 34.2359



1.2698, 0.6126, 1.9553

Previews

White Background



This preview shows how the XYZ color 38.1774, 19.8427, 57.6950 looks on a white background.

Color Contrast Check

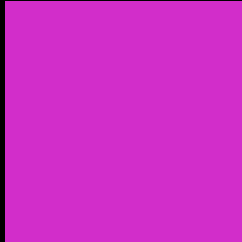
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.1774, 19.8427, 57.6950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

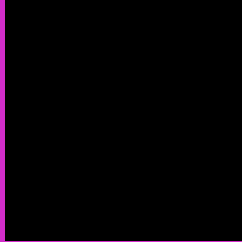
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.1774, 19.8427, 57.6950

Background



This preview shows how black text looks on a background with the XYZ color 38.1774, 19.8427, 57.6950.



This preview shows how white text looks on a background with the XYZ color 38.1774, 19.8427,

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

38.1774, 19.8427, 57.6950

Protanopia

24.3264, 20.2855, 95.5619

Deuteranopia

20.6068, 20.0514, 52.0744



Tritanopia

28.7542, 19.7755, 12.6575

Trichromacy



Original Color

38.1774, 19.8427, 57.6950



Protanomaly

21.6589, 15.1313, 79.6210



Deuteranomaly

23.6154, 17.1111, 53.6879



Tritanomaly

30.9081, 18.8847, 24.2064

Monochromacy



Original Color

38.1774, 19.8427, 57.6950



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

20.8133, 15.3197, 28.6481

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.1774, 19.8427, 57.6950 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(210, 45, 202)` looks like.

```
.text, #text, p{  
    color:rgb(210, 45, 202)  
}
```

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(210, 45, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 45, 202) }
```

Border

The CSS property to change the border of an element to XYZ 38.1774, 19.8427, 57.6950 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(210, 45, 202) }
```


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

```
.border{ border-color:rgb(210, 45, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 45, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 45, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 45, 202);  
box-shadow:4px 4px 4px 4px rgb(210, 45,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 38.1774, 19.8427, 57.6950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 45, 202) }
```

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

```
.background{ background-color: rgb(210, 45,  
202) }
```

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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