

Converting Colors

XYZ(38.9377, 19.8065, 62.7455)

Have a look what the booklet for
XYZ(38.9377, 19.8065, 62.7455)
contains.

XYZ(38.9367, 19.8058, 62.7435)	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(38.9367, 19.8058,
62.7435)**

Conversions

Conversions Part 1

Format	Color
Hex	D227D2
RGB	210, 39, 210
RGB Percent	82%, 15%, 82%
CMY	0.1765, 0.8470, 0.1765
CMYK	0.00, 0.81, 0.00, 0.18
HSL	300°, 69%, 49%
HSV	300°, 81%, 82%
XYZ	38.9367, 19.8058, 62.7435
YIQ	109.6230, 47.0250, 89.4330

Conversions

Conversions Part 2

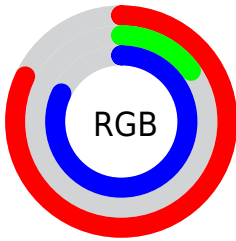
Format	Color
R _Y B	210, 39, 210
Decimal	13772754
CIE Lab	51.62, 79.89, -49.85
CIE LCh	52, 94.169, 328.037
Yxy	19.8058, 0.3205, 0.1630
Android (android.graphics.Color)	4291962834 (0xFFD227D2)
YUV	109.6230, 49.4859, 88.0306
Hunter-Lab	44.5037, 78.2898, -52.4373

Details

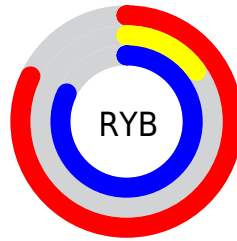
The XYZ color **38.9367, 19.8058, 62.7435** is a light color, and the websafe version is hex **CC00CC**. The color can be described as light washed magenta. A complement of this color would be **24.2504, 46.6719, 9.6509**, and the grayscale version is **14.5687, 15.3274, 16.6915**.

A 20% lighter version of the original color is **64.5477, 38.9954, 98.7326**, and **18.6789, 8.9459, 31.7526** is the 20% darker color. If you saturate the color by 10%, you get **38.4281, 18.7879, 62.5740**, and if you desaturate by 10%, it is **39.8281, 21.5878, 63.0408**.

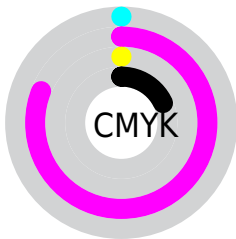
Distribution



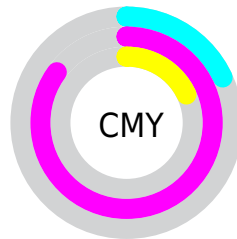
- Red (82%)
- Green (15%)
- Blue (82%)



- Red (82%)
- Yellow (15%)
- Blue (82%)



- Cyan (0%)
- Magenta (81%)
- Yellow (0%)
- Black (18%)





- Cyan (18%)
- Magenta (85%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9367, 19.8058, 62.7435 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 38.9367, 19.8058, 62.7435 by changing the saturation by 10% instead.

 38.9367, 19.8058,
62.7435


 38.9367, 19.8058,
62.7435


332.8331,
250.8619, 452.7203


 26.8910, 12.2540,
45.1941


 72.8363, 43.0914,
110.3814


 17.6275, 6.9169,
31.2663


 95.4209, 59.5939,
141.3069


 10.7810, 3.4102,
20.5415


 122.2492, 79.8487,
177.5282

 5.9860, 1.3494,
12.6013

 153.6865,
104.2403, 219.4638

 2.8771, 0.1790,
7.0271

 190.0982,
133.1530, 267.5323

 1.0891, 0.0000,
3.4004

231.8496,

 0.0160, 0.0000,

166.9712, 322.1522

1.3025

279.3061,
206.0794, 383.7420

■ 0.0000, 0.0000,
0.0638

■ 0.0000, 0.0000,
0.0000

■ 38.9367, 19.8058,
62.7435

■ 38.9367, 19.8058,
62.7435

■ 38.4281, 18.7879,
62.5740

■ 39.8281, 21.5878,
63.0408

■ 38.2116, 18.3550,
62.5018

■ 41.1549, 24.2414,
63.4832

■ 42.9641, 27.8599,
64.0863

■ 45.2960, 32.5236,
64.8637

■ 48.1866, 38.3049,
65.8273

■ 51.6689, 45.2693,
66.9881

■ 55.7730, 53.4776,
68.3562

■ 60.5273, 62.9862,
69.9410

■ 65.9583, 73.8482,
71.7514

Harmonies

Analogous

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



28.7703, 19.8058, 108.3905



38.9367, 19.8058, 62.7435



43.5836, 19.8058, 23.4048

Triad

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



38.9367, 19.8058, 62.7435



19.4566, 19.8058, 0.0000



6.8757, 19.8058, 56.6358

Complementary

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



38.9367, 19.8058, 62.7435



24.2504, 46.6719, 9.6509

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.



5.8434, 19.8058, 19.8246



38.9367, 19.8058, 62.7435



11.4845, 19.8058, 0.4109

Square

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



38.9367, 19.8058, 62.7435



30.2304, 19.8058, 0.6364



7.2000, 19.8058, 4.0445



10.7234, 19.8058, 103.2236

Rectangle

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



38.9367, 19.8058, 62.7435



42.0513, 19.8058, 9.0937



7.2000, 19.8058, 4.0445



6.2591, 19.8058, 42.1307

Sweetspot

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



38.9375, 19.8067, 62.7439



78.5373, 66.9746, 103.3955



13.1960, 6.5365, 61.5398



16.3911, 13.4971, 21.9912



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.



38.9375, 19.8067, 62.7439



59.3451, 28.5906, 96.9973



30.9748, 16.6216, 20.8127



12.3109, 12.0091, 14.9128



23.3082, 11.1961, 38.1247



1.3032, 0.6260, 2.1317

Inverse Universe

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



38.9375, 19.8067, 62.7439



59.3451, 28.5906, 96.9973



27.5542, 47.9934, 27.0483



12.3109, 12.0091, 14.9128



23.3082, 11.1961, 38.1247



1.3032, 0.6260, 2.1317

Previews

White Background



This preview shows how the XYZ color 38.9367, 19.8058, 62.7435 looks on a white background.

Color Contrast Check

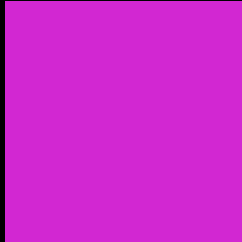
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.9367, 19.8058, 62.7435 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

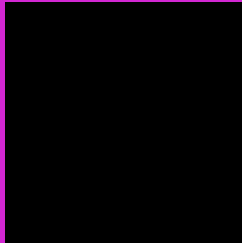
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.9367, 19.8058, 62.7435

Background



This preview shows how black text looks on a background with the XYZ color 38.9367, 19.8058, 62.7435.



This preview shows how white text looks on a background with the XYZ color 38.9367, 19.8058,

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

38.9367, 19.8058, 62.7435

Protanopia

24.3264, 20.2855, 95.5619

Deuteranopia

20.7090, 20.1980, 56.2332



Tritanopia

28.5361, 19.6579, 12.8800

Trichromacy



Original Color

38.9367, 19.8058, 62.7435



Protanomaly

21.9227, 14.9633, 81.8535



Deuteranomaly

23.3274, 16.6050, 57.8527



Tritanomaly

30.9912, 18.7144, 25.2714

Monochromacy



Original Color

38.9367, 19.8058, 62.7435



Achromatopsia

14.8208, 15.5926, 16.9804



Achromatomaly

20.2127, 14.5270, 28.9328

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9367, 19.8058, 62.7435 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, 39, 210)` looks like.

```
.text, #text, p{  
    color:rgb(210, 39, 210)  
}
```

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, 39, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 39, 210) }
```

Border

The CSS property to change the border of an element to XYZ 38.9367, 19.8058, 62.7435 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, 39, 210) }
```


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

```
.border{ border-color:rgb(210, 39, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(210, 39, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 39, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 39, 210);  
box-shadow:4px 4px 4px 4px rgb(210, 39,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9367, 19.8058, 62.7435 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(210, 39, 210) }
```

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

```
.background{ background-color: rgb(210, 39,  
210) }
```

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