

Converting Colors

XYZ(38.1126, 19.8046, 56.7853)

Have a look what the booklet for
XYZ(38.1126, 19.8046, 56.7853)
contains.

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Color

**XYZ(38.0593, 19.7955,
57.0733)**

Conversions

Conversions Part 1

Format	Color
Hex	D22DC9
RGB	210, 45, 201
RGB Percent	82%, 18%, 79%
CMY	0.1765, 0.8235, 0.2118
CMYK	0.00, 0.79, 0.04, 0.18
HSL	303°, 65%, 50%
HSV	303°, 79%, 82%
XYZ	38.0593, 19.7955, 57.0733
YIQ	112.1190, 48.2640, 83.4960

Conversions

Conversions Part 2

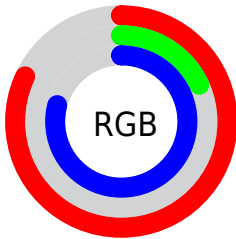
Format	Color
R _{YB}	210, 45, 201
Decimal	13774281
CIE _{Lab}	51.61, 77.13, -44.70
CIE _{LCh}	52, 89.147, 329.908
Yxy	19.7955, 0.3312, 0.1722
Android (android.graphics.Color)	4291964361 (0xFFD22DC9)
YUV	112.1190, 43.8183, 85.8416
Hunter-Lab	44.4921, 74.8306, -44.9111

Details

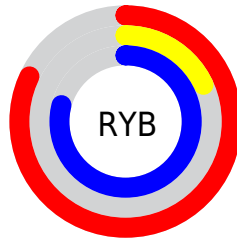
The XYZ color **38.0593, 19.7955, 57.0733** is a light color, and the websafe version is hex **CC33CC**. The color can be described as light washed magenta. A complement of this color would be **24.7956, 46.9182, 11.2407**, and the grayscale version is **15.3033, 16.1003, 17.5332**.

A 20% lighter version of the original color is **64.9744, 39.8489, 98.8748**, and **17.9508, 8.6546, 27.9185** is the 20% darker color. If you saturate the color by 10%, you get **37.3138, 18.5188, 56.1625**, and if you desaturate by 10%, it is **39.2054, 21.8707, 58.1229**.

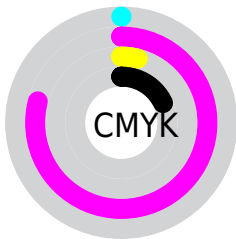
Distribution



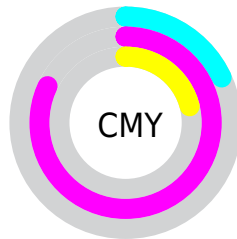
- Red (82%)
- Green (18%)
- Blue (79%)



- 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 38.0593, 19.7955, 57.0733 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 38.0593, 19.7955, 57.0733 by changing the saturation by 10% instead.


 38.0593, 19.7955,
57.0733


 38.0593, 19.7955,
57.0733


329.1507,
250.8059, 431.2253

 26.2061, 12.2465,
40.6543


 71.5023, 43.0741,
102.0735


 17.1114, 6.9118,
27.7314


 93.8229, 59.5724,
131.4919


 10.4098, 3.4070,
17.8860

 120.3633, 79.8226,
166.0804

 5.7358, 1.3477,
10.6996

 151.4890,
104.2091, 206.2578

 2.7242, 0.1777,
5.7536

 187.5652,
133.1163, 252.4424

 1.0097, 0.0000,
2.6295

228.9573,

 0.0000, 0.0000,

166.9286, 305.0528

0.9076

276.0307,
206.0303, 364.5076

■ 0.0000, 0.0000,
0.0000

■ 38.0593, 19.7955,
57.0733

■ 38.0593, 19.7955,
57.0733

■ 37.3138, 18.5188,
56.1625

■ 39.2054, 21.8707,
58.1229

■ 36.8863, 17.8772,
55.3625

■ 40.8020, 24.8457,
59.3275

■ 36.8346, 17.8042,
55.2514

■ 42.8939, 28.8099,
60.7021

■ 45.5203, 33.8412,
62.2599

■ 48.7160, 40.0098,
64.0126

■ 52.5133, 47.3798,
65.9707

■ 56.9418, 56.0105,
68.1442

■ 62.0292, 65.9575,
70.5425

■ 67.8016, 77.2728,
73.1741

Harmonies

Analogous

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



28.8052, 19.7955, 99.1223



38.0593, 19.7955, 57.0733



41.9044, 19.7955, 21.6333

Triad

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



38.0593, 19.7955, 57.0733



18.8427, 19.7955, 0.0000



7.4652, 19.7955, 56.8111

Complementary

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



38.0593, 19.7955, 57.0733



24.7956, 46.9182, 11.2407

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.



6.2911, 19.7955, 21.4748



38.0593, 19.7955, 57.0733



11.4516, 19.7955, 0.8180

Square

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



38.0593, 19.7955, 57.0733



28.8689, 19.7955, 0.8279



7.4801, 19.7955, 5.0512



11.4172, 19.7955, 98.9033

Rectangle

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



38.0593, 19.7955, 57.0733



40.1690, 19.7955, 8.7190



7.4801, 19.7955, 5.0512



6.8014, 19.7955, 43.1601

Sweetspot

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



38.0601, 19.7964, 57.0737



78.0044, 66.7614, 100.5894



14.0537, 7.2948, 61.6407



16.2603, 13.4448, 21.3023



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.



38.0601, 19.7964, 57.0737



57.4307, 28.0164, 86.3253



30.8626, 16.9175, 19.1724



12.2818, 11.9975, 14.7597



22.4807, 10.8651, 33.7673



1.2657, 0.6110, 1.9339

Inverse Universe

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



38.0601, 19.7964, 57.0737



57.4307, 28.0164, 86.3253



28.5560, 48.4224, 31.0429



12.2818, 11.9975, 14.7597



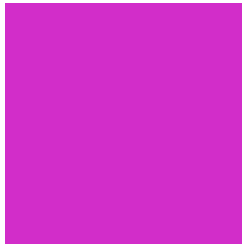
22.4807, 10.8651, 33.7673



1.2657, 0.6110, 1.9339

Previews

White Background



This preview shows how the XYZ color 38.0593, 19.7955, 57.0733 looks on a white background.

Color Contrast Check

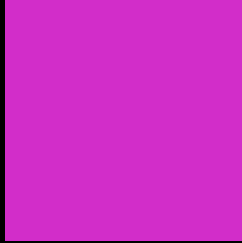
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.0593, 19.7955, 57.0733 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

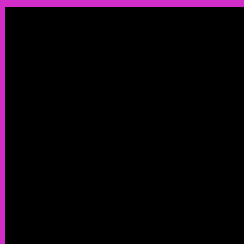
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.0593, 19.7955, 57.0733

Background



This preview shows how black text looks on a background with the XYZ color 38.0593, 19.7955, 57.0733.



This preview shows how white text looks on a background with the XYZ color 38.0593, 19.7955,

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

38.0593, 19.7955, 57.0733

Protanopia

24.3264, 20.2855, 95.5619

Deuteranopia

20.5937, 20.0573, 51.5012



Tritanopia

28.9372, 19.7488, 12.6427

Trichromacy



Original Color

38.0593, 19.7955, 57.0733



Protanomaly

21.6589, 15.1313, 79.6210



Deuteranomaly

23.6613, 17.1478, 53.1017



Tritanomaly

31.1108, 18.9972, 23.8569

Monochromacy



Original Color

38.0593, 19.7955, 57.0733



Achromatopsia

15.4009, 16.2029, 17.6450



Achromatomaly

20.7365, 15.2890, 28.2437

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0593, 19.7955, 57.0733 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(210, 45, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(210, 45, 201) }
```

Border

The CSS property to change the border of an element to XYZ 38.0593, 19.7955, 57.0733 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, 201) }
```


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

```
.border{ border-color:rgb(210, 45, 201) }
```

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, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(210, 45, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(210, 45, 201);  
box-shadow:4px 4px 4px 4px rgb(210, 45,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0593, 19.7955, 57.0733 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, 201) }
```

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

```
.background{ background-color: rgb(210, 45,  
201) }
```

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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