

Converting Colors

XYZ(37.3726, 15.9387, 72.9023)

Have a look what the booklet for
XYZ(37.3726, 15.9387, 72.9023)
contains.

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Color

**XYZ(38.6293, 18.3284,
73.4532)**

Conversions

Conversions Part 1

Format	Color
Hex	CC00E2
RGB	204, 0, 226
RGB Percent	80%, 0%, 89%
CMY	0.2000, 0.9999, 0.1137
CMYK	0.10, 1.00, 0.00, 0.11
HSL	294°, 100%, 44%
HSV	294°, 100%, 89%
XYZ	38.6293, 18.3284, 73.4532
YIQ	86.7600, 49.0380, 113.5340

Conversions

Conversions Part 2

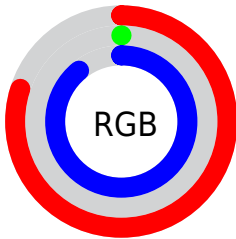
Format	Color
RYB	204, 0, 226
Decimal	13369570
CIELab	49.89, 86.35, -61.80
CIELCh	50, 106.184, 324.408
Yxy	18.3284, 0.2962, 0.1405
Android (android.graphics.Color)	4291559650 (0xFFCC00E2)
YUV	86.7600, 68.6453, 102.8195
Hunter-Lab	42.8117, 86.1414, -71.7573

Details

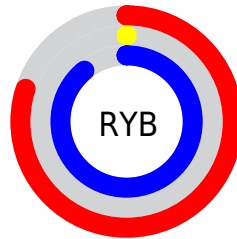
The XYZ color **38.6293, 18.3284, 73.4532** is a dark color, and the websafe version is hex **CC33FF**. The color can be described as middle washed magenta. A complement of this color would be **27.5280, 54.5638, 9.0817**, and the grayscale version is **8.8614, 9.3229, 10.1526**.

A 20% lighter version of the original color is **63.2927, 36.4854, 98.3142**, and **18.7573, 8.8316, 38.7463** is the 20% darker color. If you saturate the color by 10%, you get **38.6291, 18.3283, 73.4535**, and if you desaturate by 10%, it is **39.5362, 19.2398, 73.5816**.

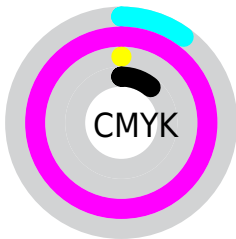
Distribution



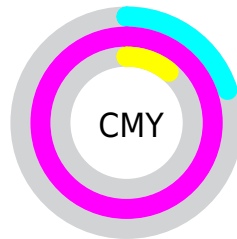
- Red (80%)
- Green (0%)
- Blue (89%)



- Red (80%)
- Yellow (0%)
- Blue (89%)



- Cyan (10%)
- Magenta (100%)
- Yellow (0%)
- Black (11%)





- Cyan (20%)
- Magenta (100%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6293, 18.3284, 73.4532 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 38.6293, 18.3284, 73.4532 by changing the saturation by 10% instead.

 38.6293, 18.3284,
73.4532


 38.6293, 18.3284,
73.4532

331.5462,
242.7156, 491.6969


 26.6509, 11.1860,
53.8525


 72.3694, 40.5961,
125.8472


 17.4464, 6.1921,
38.0914


 94.8618, 56.4902,
159.4777


 10.6506, 2.9622,
25.7513


 121.5895, 76.0704,
198.6219

 5.8979, 1.1120,
16.4136

 152.9180, 99.7210,
243.6983

 2.8232, 0.0000,
9.6598

 189.2125,
127.8264, 295.1254

 1.0610, 0.0000,
5.0713

 230.8385,

 0.0000, 0.0000,

160.7711, 353.3219

2.2297

278.1613,
198.9393, 418.7062

■ 0.0000, 0.0000,
0.6914

■ 0.0000, 0.0000,
0.0000

■ 38.6293, 18.3284,
73.4532

■ 38.6293, 18.3284,
73.4532

■ 38.6291, 18.3283,
73.4535

■ 39.5362, 19.2398,
73.5816

■ 40.8002, 20.8533,
73.8264

■ 42.5342, 23.3944,
74.2255

■ 44.8030, 26.9920,
74.8003

47.6606, 31.7545,
75.5690

51.1546, 37.7770,
76.5473

55.3277, 45.1446,
77.7494

60.2187, 53.9351,
79.1884

65.8636, 64.2203,
80.8761

Harmonies

Analogous

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



26.8064, 18.3284, 126.5884



38.6293, 18.3284, 73.4532



44.9995, 18.3284, 25.9208

Triad

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



38.6293, 18.3284, 73.4532



19.3947, 18.3284, 0.0000



4.9981, 18.3284, 53.1612

Complementary

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



38.6293, 18.3284, 73.4532



27.5280, 54.5638, 9.0817

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.



4.3128, 18.3284, 14.9854



38.6293, 18.3284, 73.4532



10.5296, 18.3284, 0.0000

Square

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



38.6293, 18.3284, 73.4532



31.4463, 18.3284, 0.0000



5.8729, 18.3284, 1.8925



8.3438, 18.3284, 108.8082

Rectangle

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



38.6293, 18.3284, 73.4532



44.0247, 18.3284, 9.0199



5.8729, 18.3284, 1.8925



4.5218, 18.3284, 37.3697

Sweetspot

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



38.6301, 18.3292, 73.4536



72.6231, 59.1349, 102.1943



14.0268, 6.0891, 72.3878



15.0236, 11.7331, 21.7228



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.



38.6301, 18.3292, 73.4536



50.7396, 24.0721, 96.5798



35.7807, 17.9359, 24.7238



14.1566, 13.8643, 17.3176



22.0942, 10.4853, 41.9077



1.5701, 0.7467, 2.9066

Inverse Universe

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



31.5095, 16.2274, 2.2318



41.4136, 21.3294, 2.8440



29.0600, 55.1383, 18.8771



13.7612, 13.7221, 14.5125



17.9954, 9.2652, 1.3755



1.2661, 0.6497, 0.1941

Previews

White Background



This preview shows how the XYZ color 38.6293, 18.3284, 73.4532 looks on a white background.

Color Contrast Check

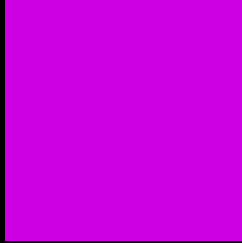
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 38.6293, 18.3284, 73.4532 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

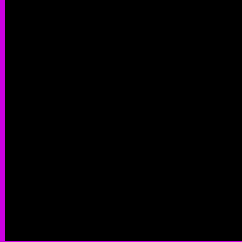
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.6293, 18.3284, 73.4532

Background



This preview shows how black text looks on a background with the XYZ color 38.6293, 18.3284, 73.4532.



This preview shows how white text looks on a background with the XYZ color 38.6293, 18.3284,

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

38.6293, 18.3284, 73.4532

Protanopia

22.7268, 19.0834, 88.8718

Deuteranopia

19.7691, 19.1352, 65.6023



Tritanopia

26.3770, 18.6623, 13.0384

Trichromacy



Original Color

38.6293, 18.3284, 73.4532



Protanomaly

20.7054, 12.5265, 82.2155



Deuteranomaly

20.4163, 13.1074, 67.7836



Tritanomaly

28.6692, 16.3788, 27.6370

Monochromacy



Original Color

38.6293, 18.3284, 73.4532



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

15.1596, 9.3132, 25.0434

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6293, 18.3284, 73.4532 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(204, 0, 226)` looks like.

```
.text, #text, p{  
    color:rgb(204, 0, 226)  
}
```

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(204, 0, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 0, 226) }
```

Border

The CSS property to change the border of an element to XYZ 38.6293, 18.3284, 73.4532 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(204, 0, 226) }
```


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

```
.border{ border-color:rgb(204, 0, 226) }
```

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

Here you see how a box with a 4 pixel rgb(204, 0, 226) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 0, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 0, 226);  
box-shadow:4px 4px 4px 4px rgb(204, 0,  
226) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6293, 18.3284, 73.4532 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 0, 226) }
```

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

```
.background{ background-color: rgb(204, 0,  
226) }
```

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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