

Converting Colors

XYZ(38.5704, 18.5060, 70.5410)

Have a look what the booklet for
XYZ(38.5704, 18.5060, 70.5410)
contains.

XYZ(38.4593, 18.4484, 70.6411)	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(38.4593, 18.4484,
70.6411)**

Conversions

Conversions Part 1

Format	Color
Hex	CD09DE
RGB	205, 9, 222
RGB Percent	80%, 4%, 87%
CMY	0.1961, 0.9646, 0.1294
CMYK	0.08, 0.96, 0.00, 0.13
HSL	295°, 92%, 45%
HSV	295°, 96%, 87%
XYZ	38.4593, 18.4484, 70.6411
YIQ	91.8860, 48.4430, 107.7950

Conversions

Conversions Part 2

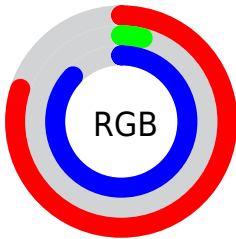
Format	Color
R_{YB}	205, 9, 222
Decimal	13437406
CIE _{Lab}	50.04, 85.18, -59.29
CIE _{LCh}	50, 103.784, 325.164
Yxy	18.4484, 0.3015, 0.1446
Android (android.graphics.Color)	4291627486 (0xFFCD09DE)
YUV	91.8860, 64.1462, 99.2010
Hunter-Lab	42.9516, 84.6654, -67.4462

Details

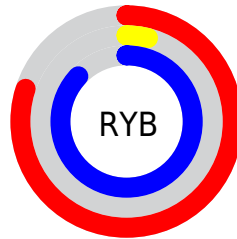
The XYZ color **38.4593, 18.4484, 70.6411** is a dark color, and the websafe version is hex **CC00CC**. The color can be described as middle washed magenta. A complement of this color would be **26.5974, 52.4824, 8.9874**, and the grayscale version is **9.9995, 10.5202, 11.4565**.

A 20% lighter version of the original color is **63.4729, 36.8457, 98.3743**, and **18.5600, 8.7729, 36.7915** is the 20% darker color. If you saturate the color by 10%, you get **38.1639, 18.1511, 70.5996**, and if you desaturate by 10%, it is **39.3496, 19.4985, 70.7971**.

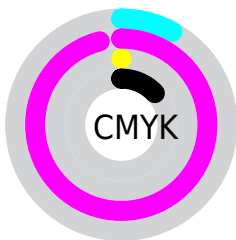
Distribution



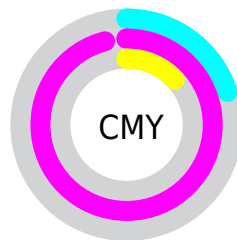
- Red (80%)
- Green (4%)
- Blue (87%)



- Red (80%)
- Yellow (4%)
- Blue (87%)



- Cyan (8%)
- Magenta (96%)
- Yellow (0%)
- Black (13%)





- Cyan (20%)
- Magenta (96%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.4593, 18.4484, 70.6411 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 38.4593, 18.4484, 70.6411 by changing the saturation by 10% instead.

 38.4593, 18.4484,
70.6411


 38.4593, 18.4484,
70.6411

330.8331,
243.3864, 481.6476


 26.5182, 11.2724,
51.5693


 72.1110, 40.7999,
121.8122


 17.3464, 6.2504,
36.2820


 94.5522, 56.7442,
154.7487


 10.5786, 2.9979,
24.3607


 121.2242, 76.3801,
193.1438

 5.8494, 1.1306,
15.3867

 152.4923,
100.0919, 237.4160

 2.7935, 0.0039,
8.9416

 188.7219,
128.2640, 287.9840

 1.0455, 0.0000,
4.6068

 230.2783,

 0.0000, 0.0000,

161.2809, 345.2662

1.9638

277.5269,
199.5269, 409.6813

■ 0.0000, 0.0000,
0.5329

■ 0.0000, 0.0000,
0.0000

■ 38.4593, 18.4484,
70.6411

■ 38.4593, 18.4484,
70.6411

■ 38.1639, 18.1511,
70.5996

■ 39.3496, 19.4985,
70.7971

■ 40.6434, 21.3481,
71.0859

■ 42.4123, 24.1394,
71.5315

■ 44.7132, 27.9867,
72.1528

47.5953, 32.9879,
72.9663

51.1018, 39.2298,
73.9863

55.2722, 46.7908,
75.2259

60.1422, 55.7428,
76.6971

65.7454, 66.1528,
78.4111

Harmonies

Analogous

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



27.0201, 18.4484, 122.1062



38.4593, 18.4484, 70.6411



44.4317, 18.4484, 25.0835

Triad

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



38.4593, 18.4484, 70.6411



19.2020, 18.4484, 0.0000



5.2734, 18.4484, 53.6672

Complementary

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



38.4593, 18.4484, 70.6411



26.5974, 52.4824, 8.9874

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.



4.5254, 18.4484, 15.8027



38.4593, 18.4484, 70.6411



10.5781, 18.4484, 0.0000

Square

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



38.4593, 18.4484, 70.6411



30.9317, 18.4484, 0.0757



6.0331, 18.4484, 2.2116



8.7017, 18.4484, 107.3210

Rectangle

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



38.4593, 18.4484, 70.6411



43.3267, 18.4484, 8.8722



6.0331, 18.4484, 2.2116



4.7728, 18.4484, 38.1544

Sweetspot

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



38.4601, 18.4492, 70.6415



73.6858, 60.4458, 102.3913



13.6845, 6.1056, 69.5648



15.2504, 11.9933, 21.7611



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.



38.4601, 18.4492, 70.6415



52.1946, 24.8222, 96.6479



34.4739, 17.4262, 23.8313



14.1814, 13.8771, 17.3188



22.7128, 10.8042, 41.9367



1.6068, 0.7656, 2.9083

Inverse Universe

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



30.4090, 15.8002, 2.4256



41.3694, 21.3118, 2.6116



28.4278, 53.1784, 20.2631



13.7514, 13.7182, 14.4611



17.9728, 9.2561, 1.2563



1.2614, 0.6478, 0.1696

Previews

White Background



This preview shows how the XYZ color 38.4593, 18.4484, 70.6411 looks on a white background.

Color Contrast Check

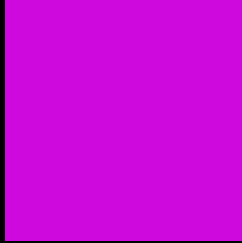
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.4593, 18.4484, 70.6411 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 38.4593, 18.4484, 70.6411

Background



This preview shows how black text looks on a background with the XYZ color 38.4593, 18.4484, 70.6411.



This preview shows how white text looks on a background with the XYZ color 38.4593, 18.4484,

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

38.4593, 18.4484, 70.6411

Protanopia

22.7268, 19.0834, 88.8718

Deuteranopia

19.7348, 19.1755, 62.9827



Tritanopia

26.6192, 18.5539, 12.5342

Trichromacy



Original Color

38.4593, 18.4484, 70.6411



Protanomaly

20.8416, 12.9180, 81.5157



Deuteranomaly

21.0239, 13.8041, 65.1747



Tritanomaly

28.8033, 16.6235, 26.5015

Monochromacy



Original Color

38.4593, 18.4484, 70.6411



Achromatopsia

10.1725, 10.7023, 11.6548



Achromatomaly

16.0557, 10.2959, 25.5672

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.4593, 18.4484, 70.6411 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(205, 9, 222)` looks like.

```
.text, #text, p{  
    color:rgb(205, 9, 222)  
}
```

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(205, 9, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 9, 222) }
```

Border

The CSS property to change the border of an element to XYZ 38.4593, 18.4484, 70.6411 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(205, 9, 222) }
```


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

```
.border{ border-color:rgb(205, 9, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 9, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 9, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 9, 222);  
box-shadow:4px 4px 4px 4px rgb(205, 9,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 38.4593, 18.4484, 70.6411 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 9, 222) }
```

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

```
.background{ background-color: rgb(205, 9,  
222) }
```

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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