

Converting Colors

XYZ(39.9596, 19.0790, 70.5787)

Have a look what the booklet for
XYZ(39.9596, 19.0790, 70.5787)
contains.

XYZ(40.0488, 19.1228, 70.6875)	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(40.0488, 19.1228,
70.6875)**

Conversions

Conversions Part 1

Format	Color
Hex	D300DE
RGB	211, 0, 222
RGB Percent	83%, 0%, 87%
CMY	0.1725, 0.9999, 0.1294
CMYK	0.05, 1.00, 0.00, 0.13
HSL	297°, 100%, 44%
HSV	297°, 100%, 87%
XYZ	40.0488, 19.1228, 70.6875
YIQ	88.3970, 54.4940, 113.7740

Conversions

Conversions Part 2

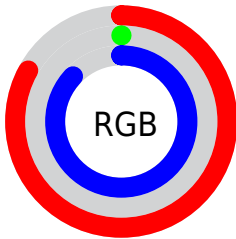
Format	Color
R_{YB}	211, 0, 222
Decimal	13828318
CIE _{Lab}	50.83, 86.78, -57.95
CIE _{LCh}	51, 104.355, 326.266
Yxy	19.1228, 0.3084, 0.1473
Android (android.graphics.Color)	4292018398 (0xFFD300DE)
YUV	88.3970, 65.8663, 107.5228
Hunter-Lab	43.7296, 86.9484, -65.2296

Details

The XYZ color **40.0488, 19.1228, 70.6875** 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 **26.2599, 52.3141, 8.7144**, and the grayscale version is **9.2182, 9.6983, 10.5614**.

A 20% lighter version of the original color is **63.3822, 36.6644, 98.3441**, and **19.6454, 9.3325, 36.8423** is the 20% darker color. If you saturate the color by 10%, you get **40.0490, 19.1229, 70.6878**, and if you desaturate by 10%, it is **40.6568, 19.8686, 70.7997**.

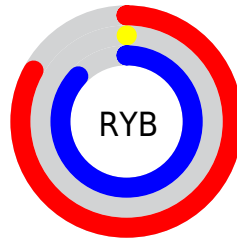
Distribution



Red (83%)

Green (0%)

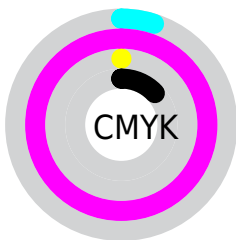
Blue (87%)



Red (83%)

Yellow (0%)

Blue (87%)

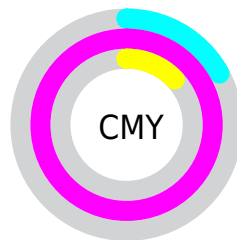


Cyan (5%)

Magenta (100%)

Yellow (0%)

Black (13%)



Cyan (17%)


Magenta (100%)


Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0488, 19.1228, 70.6875 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 40.0488, 19.1228, 70.6875 by changing the saturation by 10% instead.


 40.0488, 19.1228,
70.6875

 40.0488, 19.1228,
70.6875


337.4601,
247.1258, 481.8145

 27.7610, 11.7590,
51.6070

 74.5217, 41.9415,
121.8790

 18.2851, 6.5798,
36.3118


 97.4375, 58.1652,
154.8269

 11.2558, 3.2007,
24.3835


 124.6266, 78.1111,
193.2345

 6.3077, 1.2374,
15.4035

 156.4544,
102.1634, 237.5201

 3.0755, 0.0919,
8.9533

 193.2864,
130.7067, 288.1024

 1.1938, 0.0000,
4.6143

 235.4877,

 0.1015, 0.0000,

164.1253, 345.3998

1.9681

283.4238,
202.8035, 409.8310

■ 0.0000, 0.0000,
0.5355

■ 0.0000, 0.0000,
0.0000

■ 40.0488, 19.1228,
70.6875

■ 40.0488, 19.1228,
70.6875

■ 40.0490, 19.1229,
70.6878

■ 40.6568, 19.8686,
70.7997

■ 41.6006, 21.2836,
71.0230

■ 42.9896, 23.5856,
71.3942

■ 44.8853, 26.8978,
71.9336

47.3396, 31.3241,
72.6586

50.3979, 36.9552,
73.5843

54.1011, 43.8727,
74.7243

58.4863, 52.1510,
76.0911

63.5879, 61.8589,
77.6960

Harmonies

Analogous

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



28.3935, 19.1228, 123.9063



40.0488, 19.1228, 70.6875



45.8709, 19.1228, 24.7272

Triad

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



40.0488, 19.1228, 70.6875



19.4927, 19.1228, 0.0000



5.5934, 19.1228, 57.2308

Complementary

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



40.0488, 19.1228, 70.6875



26.2599, 52.3141, 8.7144

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.



4.7313, 19.1228, 17.3503



40.0488, 19.1228, 70.6875



10.7606, 19.1228, 0.0000

Square

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



40.0488, 19.1228, 70.6875



31.5002, 19.1228, 0.0598



6.2004, 19.1228, 2.5569



9.2649, 19.1228, 112.1973

Rectangle

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



40.0488, 19.1228, 70.6875



44.4970, 19.1228, 8.6557



6.2004, 19.1228, 2.5569



5.0432, 19.1228, 41.0264

Sweetspot

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



40.0496, 19.1237, 70.6879



73.9292, 59.8083, 102.2554



13.3063, 5.5163, 69.4709



15.3411, 11.8968, 21.7377



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.



40.0496, 19.1237, 70.6879



54.7934, 26.1619, 96.7696



33.6444, 16.9381, 19.9449



14.2244, 13.8992, 17.3208



23.8169, 11.3734, 41.9884



1.6718, 0.7991, 2.9114

Inverse Universe

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



30.1852, 15.5544, 1.7287



41.3103, 21.2881, 2.3003



28.4178, 53.1614, 20.7983



13.7346, 13.7115, 14.3727



17.9410, 9.2434, 1.0889



1.2534, 0.6446, 0.1273

Previews

White Background



This preview shows how the XYZ color 40.0488, 19.1228, 70.6875 looks on a white background.

Color Contrast Check

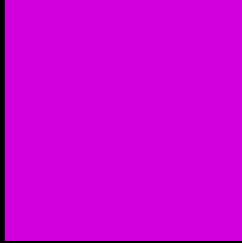
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.0488, 19.1228, 70.6875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

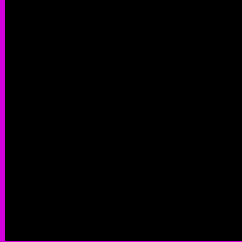
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.0488, 19.1228, 70.6875

Background



This preview shows how black text looks on a background with the XYZ color 40.0488, 19.1228, 70.6875.



This preview shows how white text looks on a background with the XYZ color 40.0488, 19.1228,

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

40.0488, 19.1228, 70.6875

Protanopia

23.7338, 19.8590, 93.0247

Deuteranopia

20.5199, 19.9486, 63.0905



Tritanopia

28.1489, 19.3425, 12.6058

Trichromacy



Original Color

40.0488, 19.1228, 70.6875



Protanomaly

21.3048, 12.9012, 83.8054



Deuteranomaly

21.8730, 14.0244, 65.1725



Tritanomaly

30.1872, 17.0433, 26.5096

Monochromacy



Original Color

40.0488, 19.1228, 70.6875



Achromatopsia

9.2757, 9.7587, 10.6273



Achromatomaly

15.6024, 9.6210, 24.7016

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0488, 19.1228, 70.6875 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(211, 0, 222)` looks like.

```
.text, #text, p{  
    color:rgb(211, 0, 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(211, 0, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(211, 0, 222) }
```

Border

The CSS property to change the border of an element to XYZ 40.0488, 19.1228, 70.6875 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(211, 0, 222) }
```


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

```
.border{ border-color:rgb(211, 0, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(211, 0, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(211, 0, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(211, 0, 222);  
box-shadow:4px 4px 4px 4px rgb(211, 0,  
222) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0488, 19.1228, 70.6875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(211, 0, 222) }
```

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

```
.background{ background-color: rgb(211, 0,  
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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