

Converting Colors

XYZ(38.1330, 19.8601, 39.9670)

Have a look what the booklet for
XYZ(38.1330, 19.8601, 39.9670)
contains.

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Color

**XYZ(38.0730, 19.8181,
39.8488)**

Conversions

Conversions Part 1

Format	Color
Hex	DE26AA
RGB	222, 38, 170
RGB Percent	87%, 15%, 67%
CMY	0.1294, 0.8509, 0.3333
CMYK	0.00, 0.83, 0.23, 0.13
HSL	317°, 74%, 51%
HSV	317°, 83%, 87%
XYZ	38.0730, 19.8181, 39.8488
YIQ	108.0640, 67.2920, 80.0600

Conversions

Conversions Part 2

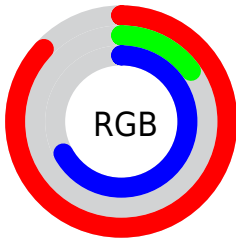
Format	Color
R_{YB}	222, 38, 170
Decimal	14558890
CIE _{Lab}	51.63, 77.07, -26.45
CIE _{LCh}	52, 81.479, 341.054
Yxy	19.8181, 0.3895, 0.2028
Android (android.graphics.Color)	4292748970 (0xFFDE26AA)
YUV	108.0640, 30.5344, 99.9219
Hunter-Lab	44.5175, 74.7540, -21.9098

Details

The XYZ color **38.0730, 19.8181, 39.8488** is a dark color, and the websafe version is hex **CC0099**. The color can be described as middle washed rose. A complement of this color would be **28.7674, 53.3936, 18.4660**, and the grayscale version is **14.1778, 14.9162, 16.2437**.

A 20% lighter version of the original color is **60.2252, 37.2664, 75.9704**, and **18.1703, 8.9894, 17.9170** is the 20% darker color. If you saturate the color by 10%, you get **36.9830, 18.5652, 36.6265**, and if you desaturate by 10%, it is **39.6152, 21.9294, 43.3618**.

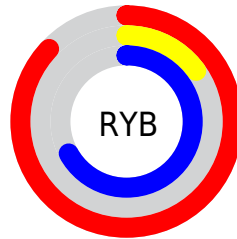
Distribution



Red (87%)

Green (15%)

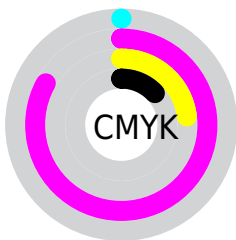
Blue (67%)



Red (87%)

Yellow (15%)

Blue (67%)

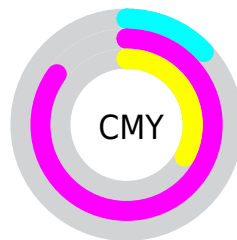


Cyan (0%)

Magenta (83%)

Yellow (23%)

Black (13%)



Cyan (13%)


Magenta (85%)


Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.0730, 19.8181, 39.8488 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 38.0730, 19.8181, 39.8488 by changing the saturation by 10% instead.


 38.0730, 19.8181,
39.8488

 38.0730, 19.8181,
39.8488


329.2085,
250.9287, 361.0190


 26.2168, 12.2629,
27.1078


 71.5232, 43.1120,
76.1678


 17.1194, 6.9230,
17.4210


 93.8479, 59.6195,
100.5828


 10.4155, 3.4140,
10.3700


 120.3929, 79.8799,
129.7263

 5.7397, 1.3515,
5.5362

 151.5234,
104.2775, 164.0168

 2.7266, 0.1806,
2.5010

 187.6049,
133.1968, 203.8727

 1.0109, 0.0000,
0.8407

229.0026,

 0.0000, 0.0000,

167.0222, 249.7127

0.0000

276.0820,
206.1380, 301.9553

■ 38.0730, 19.8181,
39.8488

■ 38.0730, 19.8181,
39.8488

■ 36.9830, 18.5652,
36.6265

■ 39.6152, 21.9294,
43.3618

■ 36.4046, 18.0418,
34.4812

■ 41.6734, 25.0272,
47.1884

■ 44.3030, 29.2211,
51.3490

■ 47.5513, 34.6053,
55.8612

■ 51.4607, 41.2640,
60.7408

56.0697, 49.2736,
66.0026

61.4138, 58.7045,
71.6599

67.5260, 69.6223,
77.7256

74.4373, 82.0882,
84.2116

Harmonies

Analogous

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



31.2310, 19.8181, 76.8207



38.0730, 19.8181, 39.8488



38.9794, 19.8181, 14.0153

Triad

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



38.0730, 19.8181, 39.8488



15.9674, 19.8181, 0.6328



9.2600, 19.8181, 67.0080

Complementary

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



38.0730, 19.8181, 39.8488



28.7674, 53.3936, 18.4660

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.



7.1984, 19.8181, 31.4659



38.0730, 19.8181, 39.8488



10.2507, 19.8181, 2.2846

Square

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



38.0730, 19.8181, 39.8488



24.4440, 19.8181, 0.8357



7.4987, 19.8181, 9.9720



14.1597, 19.8181, 98.8692

Rectangle

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



38.0730, 19.8181, 39.8488



35.8661, 19.8181, 5.6445



7.4987, 19.8181, 9.9720



8.2869, 19.8181, 54.3349

Sweetspot

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



38.0736, 19.8191, 39.8492



75.2088, 64.7441, 88.6401



17.8162, 8.6911, 69.8461



15.6129, 13.0140, 18.4231



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.



38.0736, 19.8191, 39.8492



49.8827, 24.7614, 47.3054



32.3011, 17.5101, 9.4511



14.1212, 13.8661, 16.4083



21.6734, 10.7363, 20.7435



1.5400, 0.7593, 1.6366

Inverse Universe

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



38.0736, 19.8191, 39.8492



49.8827, 24.7614, 47.3054



35.0651, 55.9126, 51.6293



14.1212, 13.8661, 16.4083



21.6734, 10.7363, 20.7435



1.5400, 0.7593, 1.6366

Previews

White Background



This preview shows how the XYZ color 38.0730, 19.8181, 39.8488 looks on a white background.

Color Contrast Check

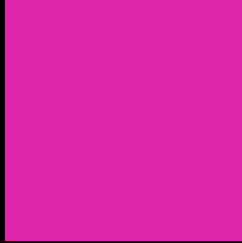
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.0730, 19.8181, 39.8488 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

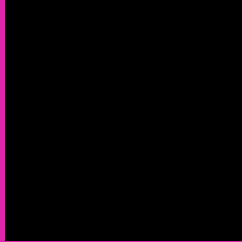
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.0730, 19.8181, 39.8488

Background



This preview shows how black text looks on a background with the XYZ color 38.0730, 19.8181, 39.8488.



This preview shows how white text looks on a background with the XYZ color 38.0730, 19.8181,

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

38.0730, 19.8181, 39.8488

Protanopia

23.5388, 20.4061, 79.7889

Deuteranopia

20.6408, 20.2390, 36.0763



Tritanopia

31.8483, 19.8947, 9.3692

Trichromacy



Original Color

38.0730, 19.8181, 39.8488



Protanomaly

23.1742, 16.0304, 62.8455



Deuteranomaly

23.9595, 17.1311, 37.1658



Tritanomaly

33.4514, 19.3906, 17.0186

Monochromacy



Original Color

38.0730, 19.8181, 39.8488



Achromatopsia

14.2537, 14.9960, 16.3306



Achromatomaly

19.5844, 14.2148, 23.1842

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.0730, 19.8181, 39.8488 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(222, 38, 170)` looks like.

```
.text, #text, p{  
    color:rgb(222, 38, 170)  
}
```

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(222, 38, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 38, 170) }
```

Border

The CSS property to change the border of an element to XYZ 38.0730, 19.8181, 39.8488 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(222, 38, 170) }
```


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

```
.border{ border-color:rgb(222, 38, 170) }
```

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

Here you see how a box with a 4 pixel rgb(222, 38, 170) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 38, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 38, 170);  
box-shadow:4px 4px 4px 4px rgb(222, 38,  
170) }
```

Background

The CSS property to change the background color of an element to XYZ 38.0730, 19.8181, 39.8488 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 38, 170) }
```

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

```
.background{ background-color: rgb(222, 38,  
170) }
```

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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