

Converting Colors

XYZ(38.6000, 18.9146, 46.2827)

Have a look what the booklet for
XYZ(38.6000, 18.9146, 46.2827)
contains.

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Color

**XYZ(38.6714, 18.9485,
46.4190)**

Conversions

Conversions Part 1

Format	Color
Hex	DE00B7
RGB	222, 0, 183
RGB Percent	87%, 0%, 72%
CMY	0.1294, 0.9998, 0.2824
CMYK	0.00, 1.00, 0.18, 0.13
HSL	311°, 100%, 44%
HSV	311°, 100%, 87%
XYZ	38.6714, 18.9485, 46.4190
YIQ	87.2400, 73.5690, 103.9770

Conversions

Conversions Part 2

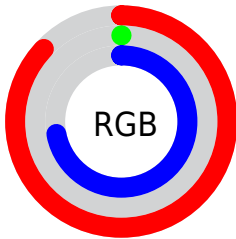
Format	Color
R_{YB}	222, 0, 183
Decimal	14549175
CIE _{Lab}	50.63, 83.31, -35.65
CIE _{LCh}	51, 90.621, 336.833
Yxy	18.9485, 0.3717, 0.1821
Android (android.graphics.Color)	4292739255 (0xFFDE00B7)
YUV	87.2400, 47.2097, 118.1845
Hunter-Lab	43.5299, 82.3999, -32.7542

Details

The XYZ color **38.6714, 18.9485, 46.4190** is a dark color, and the websafe version is hex **FF33CC**. The color can be described as middle washed rose. A complement of this color would be **26.4888, 52.3898, 10.6392**, and the grayscale version is **9.0063, 9.4753, 10.3186**.

A 20% lighter version of the original color is **60.9122, 35.6764, 85.3372**, and **18.8627, 9.2664, 21.5633** is the 20% darker color. If you saturate the color by 10%, you get **38.6709, 18.9483, 46.4152**, and if you desaturate by 10%, it is **39.3749, 19.6964, 48.6847**.

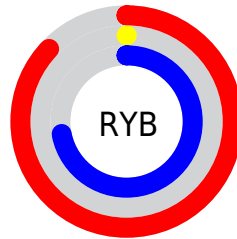
Distribution



Red (87%)

Green (0%)

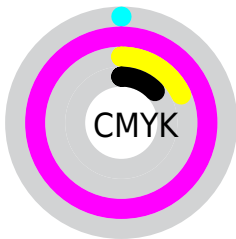
Blue (72%)



Red (87%)

Yellow (0%)

Blue (72%)

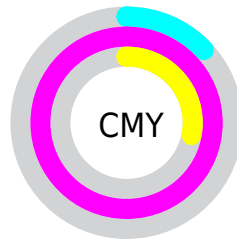


Cyan (0%)

Magenta (100%)

Yellow (18%)

Black (13%)



Cyan (13%)


Magenta (100%)


Yellow (28%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6714, 18.9485, 46.4190 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 38.6714, 18.9485, 46.4190 by changing the saturation by 10% instead.


 38.6714, 18.9485,
46.4190


 38.6714, 18.9485,
46.4190

331.7227,
246.1643, 388.8170

 26.6838, 11.6331,
32.2255


 72.4333, 41.6471,
86.1866


 17.4712, 6.4943,
21.2676


 94.9384, 57.7990,
112.5978

 10.6684, 3.1479,
13.1266


 121.6799, 77.6652,
143.9187

 5.9100, 1.2094,
7.3840

 153.0233,
101.6301, 180.5678

 2.8306, 0.0694,
3.6213

 189.3339,
130.0780, 222.9636

 1.0648, 0.0000,
1.4200

 230.9771,

 0.0000, 0.0000,

163.3935, 271.5248

0.1572

278.3183,
201.9608, 326.6697

■ 0.0000, 0.0000,
0.0000

■ 38.6714, 18.9485,
46.4190

■ 38.6714, 18.9485,
46.4190

■ 38.6709, 18.9483,
46.4152

■ 39.3749, 19.6964,
48.6847

■ 40.4237, 21.1170,
51.1214

■ 41.9270, 23.4282,
53.7659

■ 43.9464, 26.7532,
56.6393

■ 46.5338, 31.1959,
59.7594

■ 49.7349, 36.8470,
63.1416

■ 53.5903, 43.7881,
66.8000

■ 58.1376, 52.0938,
70.7475

■ 63.4110, 61.8327,
74.9959

Harmonies

Analogous

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



30.2862, 18.9485, 89.5816



38.6714, 18.9485, 46.4190



40.7957, 18.9485, 15.3503

Triad

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



38.6714, 18.9485, 46.4190



16.0566, 18.9485, 0.0000



7.5204, 18.9485, 65.9290

Complementary

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



38.6714, 18.9485, 46.4190



26.4888, 52.3898, 10.6392

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.



5.8317, 18.9485, 27.0037



38.6714, 18.9485, 46.4190



9.6007, 18.9485, 1.0332

Square

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



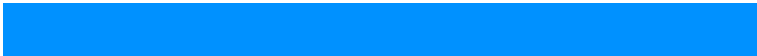
38.6714, 18.9485, 46.4190



25.5843, 18.9485, 0.2778



6.4431, 18.9485, 6.7674



12.1009, 18.9485, 105.9505

Rectangle

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



38.6714, 18.9485, 46.4190



37.9091, 18.9485, 5.5080



6.4431, 18.9485, 6.7674



6.6782, 18.9485, 51.4527

Sweetspot

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



38.6721, 18.9495, 46.4193



73.2208, 59.6844, 91.3181



13.9495, 5.6688, 69.4665



15.1702, 11.8673, 19.0811



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.



38.6721, 18.9495, 46.4193



52.8971, 25.9228, 63.3154



31.3618, 16.0254, 7.9238



14.1862, 13.8921, 16.7509



23.0067, 11.2697, 27.7645



1.6222, 0.7921, 2.0693

Inverse Universe

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



38.6721, 18.9495, 46.4193



52.8971, 25.9228, 63.3154



31.4683, 54.3816, 36.8610



14.1862, 13.8921, 16.7509



23.0067, 11.2697, 27.7645



1.6222, 0.7921, 2.0693

Previews

White Background



This preview shows how the XYZ color 38.6714, 18.9485, 46.4190 looks on a white background.

Color Contrast Check

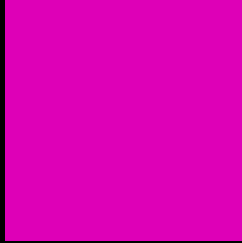
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.6714, 18.9485, 46.4190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

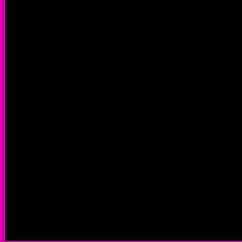
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.6714, 18.9485, 46.4190

Background



This preview shows how black text looks on a background with the XYZ color 38.6714, 18.9485, 46.4190.



This preview shows how white text looks on a background with the XYZ color 38.6714, 18.9485,

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

38.6714, 18.9485, 46.4190

Protanopia

23.8910, 19.9219, 93.8529

Deuteranopia

20.1095, 19.6566, 41.7639



Tritanopia

31.0624, 19.3027, 8.9261

Trichromacy



Original Color

38.6714, 18.9485, 46.4190



Protanomaly

19.6369, 12.2725, 73.2854



Deuteranomaly

22.7031, 14.7382, 42.7225



Tritanomaly

32.3904, 17.7907, 17.9464

Monochromacy



Original Color

38.6714, 18.9485, 46.4190



Achromatopsia

9.0590, 9.5307, 10.3790



Achromatomaly

15.0324, 9.3718, 19.4290

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6714, 18.9485, 46.4190 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, 0, 183)` looks like.

```
.text, #text, p{  
    color:rgb(222, 0, 183)  
}
```

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, 0, 183) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 0, 183) }
```

Border

The CSS property to change the border of an element to XYZ 38.6714, 18.9485, 46.4190 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, 0, 183) }
```


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

```
.border{ border-color:rgb(222, 0, 183) }
```

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

Here you see how a box with a 4 pixel rgb(222, 0, 183) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 0, 183); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 0, 183);  
box-shadow:4px 4px 4px 4px rgb(222, 0,  
183) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6714, 18.9485, 46.4190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 0, 183) }
```

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

```
.background{ background-color: rgb(222, 0,  
183) }
```

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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