

Converting Colors

XYZ(38.5441, 28.9334, 46.1020)

Have a look what the booklet for
XYZ(38.5441, 28.9334, 46.1020)
contains.

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Color

**XYZ(38.6726, 28.9670,
46.2007)**

Conversions

Conversions Part 1

Format	Color
Hex	C878B3
RGB	200, 120, 179
RGB Percent	78%, 47%, 70%
CMY	0.2157, 0.5294, 0.2980
CMYK	0.00, 0.40, 0.11, 0.22
HSL	316°, 42%, 63%
HSV	316°, 40%, 78%
XYZ	38.6726, 28.9670, 46.2007
YIQ	150.6460, 28.7410, 35.3090

Conversions

Conversions Part 2

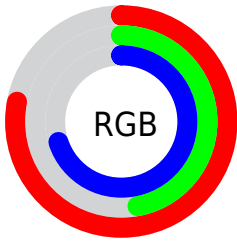
Format	Color
R _Y B	200, 120, 179
Decimal	13138099
CIE Lab	60.75, 39.67, -17.96
CIE LCh	61, 43.548, 335.648
Yxy	28.9670, 0.3397, 0.2545
Android (android.graphics.Color)	4291328179 (0xFFC878B3)
YUV	150.6460, 13.9785, 43.2835
Hunter-Lab	53.8210, 34.0728, -13.2207

Details

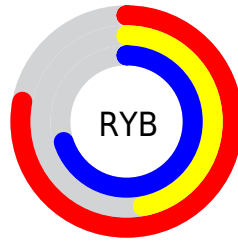
The XYZ color **38.6726, 28.9670, 46.2007** is a light color, and the websafe version is hex **CC6699**. A complement of this color would be **33.2090, 47.2257, 32.5665**, and the grayscale version is **29.1987, 30.7193, 33.4534**.

A 20% lighter version of the original color is **71.3714, 57.5303, 85.9400**, and **17.3956, 11.6919, 21.0786** is the 20% darker color. If you saturate the color by 10%, you get **35.9930, 24.4410, 42.7374**, and if you desaturate by 10%, it is **41.8766, 34.5084, 49.9391**.

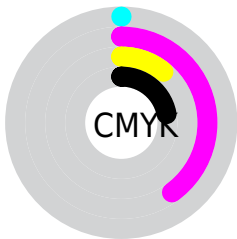
Distribution



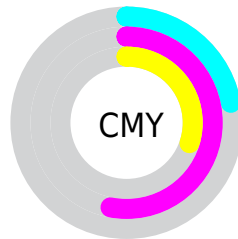
- Red (78%)
- Green (47%)
- Blue (70%)



- Red (78%)
- Yellow (47%)
- Blue (70%)



- Cyan (0%)
- Magenta (40%)
- Yellow (11%)
- Black (22%)





- Cyan (22%)
- Magenta (53%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.6726, 28.9670, 46.2007 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 38.6726, 28.9670, 46.2007 by changing the saturation by 10% instead.


 38.6726, 28.9670,
46.2007


 38.6726, 28.9670,
46.2007

331.7277,
297.0592, 387.9159


 26.6847, 19.0559,
32.0544


 72.4352, 58.0247,
85.8567

 17.4719, 11.7106,
21.1379


 94.9406, 77.9399,
112.2036

 10.6689, 6.5470,
13.0326


 121.6825,
101.9588, 143.4543

 5.9103, 3.1804,
7.3200

153.0263,
130.4655, 180.0275

 2.8308, 1.2266,
3.5816

189.3374,
163.8445, 222.3418

 1.0649, 0.0833,
1.3987

230.9811,

 0.0000, 0.0000,

202.4802, 270.8156

0.1407

278.3227,
246.7570, 325.8674

■ 0.0000, 0.0000,
0.0000

■ 38.6726, 28.9670,
46.2007

■ 38.6726, 28.9670,
46.2007

■ 35.9930, 24.4410,
42.7374

■ 41.8766, 34.5084,
49.9391

■ 33.8032, 20.8633,
39.5358

■ 45.6312, 41.1188,
53.9617

■ 32.0690, 18.1650,
36.5836


■ 49.9643, 48.8530,
58.2789


■ 30.7501, 16.2660,
33.8663


■ 54.9008, 57.7608,
62.9003


■ 29.7990, 15.0716,
31.3668


■ 60.4643, 67.8887,
67.8346


 29.1254, 14.4019,
29.0540

 66.6770, 79.2812,
73.0903

 29.1253, 14.4017,
29.0535

 71.9425, 88.7446,
78.1363

 72.6313, 89.0201,
81.7637

 73.3420, 89.3044,
85.5063

Harmonies

Analogous

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



34.3672, 28.9670, 64.2127



38.6726, 28.9670, 46.2007



39.8310, 28.9670, 28.5740

Triad

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



38.6726, 28.9670, 46.2007



26.4761, 28.9670, 9.5934



19.6086, 28.9670, 53.3901

Complementary

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



38.6726, 28.9670, 46.2007



33.2090, 47.2257, 32.5665

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.



18.0681, 28.9670, 34.7048



38.6726, 28.9670, 46.2007



21.6695, 28.9670, 12.4004

Square

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



38.6726, 28.9670, 46.2007



32.2632, 28.9670, 10.8275



18.7676, 28.9670, 20.3641



23.2880, 28.9670, 69.2619

Rectangle

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



38.6726, 28.9670, 46.2007



38.5425, 28.9670, 19.8912



18.7676, 28.9670, 20.3641



18.8481, 28.9670, 47.0285

Sweetspot

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



38.6735, 28.9683, 46.2013



84.7867, 81.4999, 99.2313



27.9584, 23.1801, 57.6448



17.9288, 17.0524, 21.0244



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.



38.6735, 28.9683, 46.2013



62.8743, 43.2463, 74.7522



35.2707, 27.6072, 28.2822



10.9596, 10.7672, 12.7707



18.5571, 9.1724, 18.6755



0.9073, 0.4457, 1.0348

Inverse Universe

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



38.6735, 28.9683, 46.2013



62.8743, 43.2463, 74.7522



36.6393, 48.5978, 50.6303



10.9596, 10.7672, 12.7707



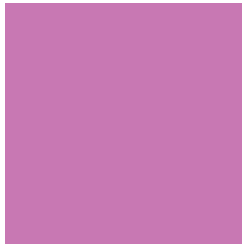
18.5571, 9.1724, 18.6755



0.9073, 0.4457, 1.0348

Previews

White Background



This preview shows how the XYZ color 38.6726, 28.9670, 46.2007 looks on a white background.

Color Contrast Check

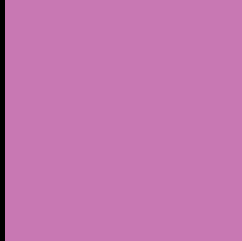
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.6726, 28.9670, 46.2007 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

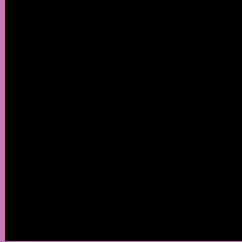
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.6726, 28.9670, 46.2007

Background



This preview shows how black text looks on a background with the XYZ color 38.6726, 28.9670, 46.2007.



This preview shows how white text looks on a background with the XYZ color 38.6726, 28.9670,

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

38.6726, 28.9670, 46.2007

Protanopia

29.7192, 29.1875, 56.8907

Deuteranopia

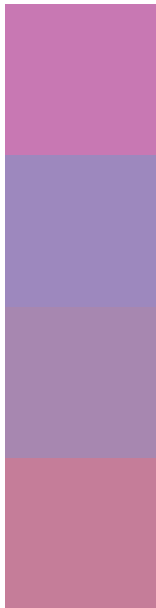
29.9239, 29.3376, 44.6430



Tritanopia

34.8123, 28.8754, 27.7835

Trichromacy



Original Color

38.6726, 28.9670, 46.2007

Protanomaly

32.0031, 28.4941, 52.5284

Deuteranomaly

32.4368, 28.6780, 44.9001

Tritanomaly

36.1093, 28.8375, 33.8000

Monochromacy



Original Color

38.6726, 28.9670, 46.2007

Achromatopsia

29.4150, 30.9469, 33.7012

Achromatomaly

32.1733, 29.7644, 37.7676

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6726, 28.9670, 46.2007 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(200, 120, 179)` looks like.

```
.text, #text, p{  
    color:rgb(200, 120, 179)  
}
```

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(200, 120, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 120, 179) }
```

Border

The CSS property to change the border of an element to XYZ 38.6726, 28.9670, 46.2007 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(200, 120, 179) }
```


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

```
.border{ border-color:rgb(200, 120, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 120, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 120, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 120, 179);  
box-shadow:4px 4px 4px 4px rgb(200, 120,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6726, 28.9670, 46.2007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 120, 179) }
```

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

```
.background{ background-color: rgb(200,  
120, 179) }
```

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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