

Converting Colors

XYZ(38.8900, 26.0427, 51.3615)

Have a look what the booklet for
XYZ(38.8900, 26.0427, 51.3615)
contains.

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Color

**XYZ(38.8385, 26.0142,
51.1183)**

Conversions

Conversions Part 1

Format	Color
Hex	CC66BD
RGB	204, 102, 189
RGB Percent	80%, 40%, 74%
CMY	0.2000, 0.6000, 0.2588
CMYK	0.00, 0.50, 0.07, 0.20
HSL	309°, 50%, 60%
HSV	309°, 50%, 80%
XYZ	38.8385, 26.0142, 51.1183
YIQ	142.4160, 32.8650, 48.6810

Conversions

Conversions Part 2

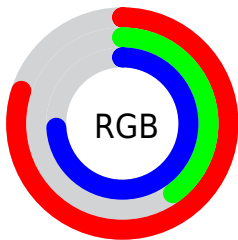
Format	Color
R _Y B	204, 102, 189
Decimal	13395645
CIE Lab	58.05, 51.85, -27.77
CIE LCh	58, 58.817, 331.828
Yxy	26.0142, 0.3349, 0.2243
Android (android.graphics.Color)	4291585725 (0xFFCC66BD)
YUV	142.4160, 22.9659, 54.0092
Hunter-Lab	51.0041, 46.6666, -23.7198

Details

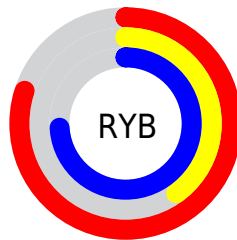
The XYZ color **38.8385, 26.0142, 51.1183** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **30.2844, 47.2958, 24.3642**, and the grayscale version is **25.7794, 27.1220, 29.5358**.

A 20% lighter version of the original color is **69.7630, 51.6908, 93.4892**, and **17.4627, 10.0662, 23.9443** is the 20% darker color. If you saturate the color by 10%, you get **36.7527, 22.3579, 48.8330**, and if you desaturate by 10%, it is **41.4260, 30.6621, 53.6046**.

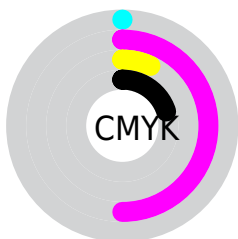
Distribution



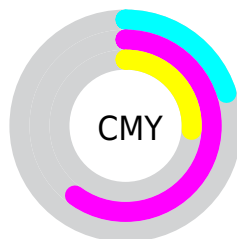
- Red (80%)
- Green (40%)
- Blue (74%)



- Red (80%)
- Yellow (40%)
- Blue (74%)



- Cyan (0%)
- Magenta (50%)
- Yellow (7%)
- Black (20%)



- Cyan (20%)
- Magenta (60%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8385, 26.0142, 51.1183 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 38.8385, 26.0142, 51.1183 by changing the saturation by 10% instead.

38.8385, 26.0142,
51.1183

38.8385, 26.0142,
51.1183

332.4224,
282.8518, 407.8829

26.8143, 16.8343,
35.9254

72.6872, 53.2979,
93.2429

17.5697, 10.1164,
24.0873

95.2424, 72.1704,
121.0117

10.7393, 5.4762,
15.1856

122.0386, 95.0425,
153.8095

5.9578, 2.5293,
8.8017

153.4411,
122.2987, 192.0549

2.8598, 0.8913,
4.5170

189.8154,
154.3233, 236.1663

1.0801, 0.0000,
1.9131

231.5269,

0.0084, 0.0000,

191.5008, 286.5625

0.5010

278.9407,
234.2155, 343.6618

■ 0.0000, 0.0000,
0.0000

■ 38.8385, 26.0142,
51.1183

■ 38.8385, 26.0142,
51.1183

■ 36.7527, 22.3579,
48.8330

■ 41.4260, 30.6621,
53.6046

■ 35.1291, 19.6158,
46.7345

■ 44.5458, 36.3642,
56.3015

■ 33.9265, 17.7052,
44.8092

■ 48.2290, 43.1822,
59.2199

■ 33.0953, 16.5265,
43.0404

■ 52.5036, 51.1719,
62.3692

■ 32.5421, 15.8936,
41.3967

■ 57.3956, 60.3856,
65.7583

■ 32.5420, 15.8935,
41.3963

■ 62.9297, 70.8722,
69.3957

■ 69.1289, 82.6781,
73.2892

■ 72.6727, 89.1617,
76.3321

■ 73.0571, 89.3155,
78.3567

Harmonies

Analogous

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



32.6574, 26.0142, 76.3023



38.8385, 26.0142, 51.1183



41.0582, 26.0142, 27.0948

Triad

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



38.8385, 26.0142, 51.1183



24.2923, 26.0142, 4.4491



14.8356, 26.0142, 54.3912

Complementary

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



38.8385, 26.0142, 51.1183



30.2844, 47.2958, 24.3642

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.



13.4256, 26.0142, 29.5920



38.8385, 26.0142, 51.1183



18.1951, 26.0142, 6.3847

Square

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



38.8385, 26.0142, 51.1183



31.7568, 26.0142, 5.9334



14.5276, 26.0142, 13.5714



18.8175, 26.0142, 78.7450

Rectangle

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



38.8385, 26.0142, 51.1183



39.7089, 26.0142, 16.1206



14.5276, 26.0142, 13.5714



14.0837, 26.0142, 45.5158

Sweetspot

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



38.8394, 26.0154, 51.1188



83.1458, 77.6199, 100.5290



22.8011, 17.5494, 59.3130



17.4789, 16.0206, 21.2812



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.



38.8394, 26.0154, 51.1188



60.6278, 36.6173, 80.5880



34.3437, 24.2172, 27.4453



11.6139, 11.3743, 13.7672



20.5091, 10.0142, 26.1971



1.0779, 0.5246, 1.4559

Inverse Universe

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



38.8394, 26.0154, 51.1188



60.6278, 36.6173, 80.5880



34.0115, 48.7866, 43.9910



11.6139, 11.3743, 13.7672



20.5091, 10.0142, 26.1971



1.0779, 0.5246, 1.4559

Previews

White Background



This preview shows how the XYZ color 38.8385, 26.0142, 51.1183 looks on a white background.

Color Contrast Check

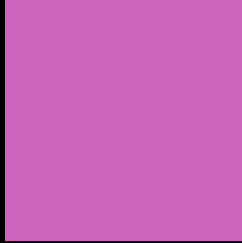
Large Text (above 18pt) WCAG AA ✓ Pass

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 38.8385, 26.0142, 51.1183 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

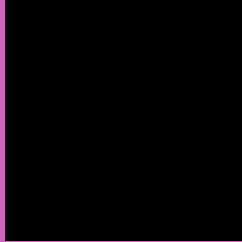
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 38.8385, 26.0142, 51.1183

Background



This preview shows how black text looks on a background with the XYZ color 38.8385, 26.0142, 51.1183.



This preview shows how white text looks on a background with the XYZ color 38.8385, 26.0142,

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

38.8385, 26.0142, 51.1183

Protanopia

28.0256, 26.2806, 69.2412

Deuteranopia

26.8416, 26.3417, 48.4695



Tritanopia

33.0889, 26.0736, 22.6908

Trichromacy



Original Color

38.8385, 26.0142, 51.1183

Protanomaly

30.1472, 24.9400, 62.2565

Deuteranomaly

29.9952, 25.3381, 49.2088

Tritanomaly

34.9589, 26.0058, 31.1941

Monochromacy



Original Color

38.8385, 26.0142, 51.1183

Achromatopsia

25.7108, 27.0498, 29.4572

Achromatomaly

29.3644, 25.6813, 36.2102

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.8385, 26.0142, 51.1183 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(204, 102, 189)` looks like.

```
.text, #text, p{  
    color:rgb(204, 102, 189)  
}
```

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(204, 102, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 102, 189) }
```

Border

The CSS property to change the border of an element to XYZ 38.8385, 26.0142, 51.1183 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(204, 102, 189) }
```


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

```
.border{ border-color:rgb(204, 102, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 102, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 102, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 102, 189);  
box-shadow:4px 4px 4px 4px rgb(204, 102,  
189) }
```

Background

The CSS property to change the background color of an element to XYZ 38.8385, 26.0142, 51.1183 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 102, 189) }
```

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

```
.background{ background-color: rgb(204,  
102, 189) }
```

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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