

Converting Colors

XYZ(40.0368, 26.9088, 50.7462)

Have a look what the booklet for
XYZ(40.0368, 26.9088, 50.7462)
contains.

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Color

**XYZ(40.0398, 26.9414,
50.6668)**

Conversions

Conversions Part 1

Format	Color
Hex	D068BC
RGB	208, 104, 188
RGB Percent	82%, 41%, 74%
CMY	0.1843, 0.5921, 0.2627
CMYK	0.00, 0.50, 0.10, 0.18
HSL	312°, 53%, 61%
HSV	312°, 50%, 82%
XYZ	40.0398, 26.9414, 50.6668
YIQ	144.6720, 35.0200, 48.1720

Conversions

Conversions Part 2

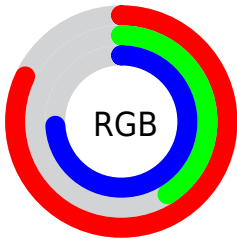
Format	Color
R _Y B	208, 104, 188
Decimal	13658300
CIE Lab	58.92, 51.89, -25.81
CIE LCh	59, 57.952, 333.553
Yxy	26.9414, 0.3403, 0.2290
Android (android.graphics.Color)	4291848380 (0xFFD068BC)
YUV	144.6720, 21.3607, 55.5387
Hunter-Lab	51.9051, 46.8617, -21.5419

Details

The XYZ color **40.0398, 26.9414, 50.6668** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **31.9041, 49.5109, 26.9458**, and the grayscale version is **26.6879, 28.0777, 30.5766**.

A 20% lighter version of the original color is **69.7960, 52.2454, 91.9937**, and **18.2062, 10.5817, 23.6372** is the 20% darker color. If you saturate the color by 10%, you get **37.7734, 23.0887, 47.8133**, and if you desaturate by 10%, it is **42.8362, 31.8339, 53.7565**.

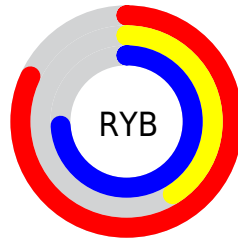
Distribution



Red (82%)

Green (41%)

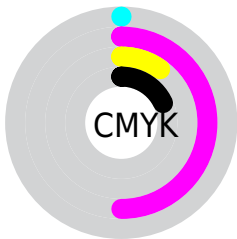
Blue (74%)



Red (82%)

Yellow (41%)

Blue (74%)

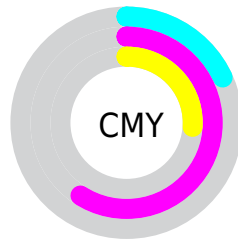


Cyan (0%)

Magenta (50%)

Yellow (10%)

Black (18%)



Cyan (18%)


Magenta (59%)


Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.0398, 26.9414, 50.6668 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 40.0398, 26.9414, 50.6668 by changing the saturation by 10% instead.


 40.0398, 26.9414,
50.6668


 40.0398, 26.9414,
50.6668


337.4228,
287.3733, 406.0774

 27.7539, 17.5292,
35.5686


 74.5081, 54.7898,
92.5685


 18.2798, 10.6125,
23.8142


 97.4212, 73.9948,
120.2091

 11.2519, 5.8069,
14.9849


 124.6074, 97.2329,
152.8676

 6.3051, 2.7280,
8.6623

 156.4321,
124.8885, 190.9625

 3.0739, 0.9915,
4.4278

193.2607,
157.3459, 234.9124

 1.1930, 0.0000,
1.8628

235.4584,

 0.1008, 0.0000,

194.9896, 285.1359

0.4689

283.3907,
238.2039, 342.0513

■ 0.0000, 0.0000,
0.0000

■ 40.0398, 26.9414,
50.6668

■ 40.0398, 26.9414,
50.6668

■ 37.7734, 23.0887,
47.8133

■ 42.8362, 31.8339,
53.7565

■ 35.9956, 20.1948,
45.1809

■ 46.1948, 37.8320,
57.0928

■ 34.6631, 18.1727,
42.7549

■ 50.1482, 45.0005,
60.6872

■ 33.7236, 16.9178,
40.5176

■ 54.7260, 53.3978,
64.5501

■ 33.0805, 16.2372,
38.4360

■ 59.9554, 63.0789,
68.6911

■ 33.0803, 16.2371,
38.4355

■ 65.8623, 74.0950,
73.1191

■ 72.4710, 86.4947,
77.8428

■ 74.6912, 90.0974,
81.1657

■ 75.2275, 90.3120,
83.9900

Harmonies

Analogous

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



34.0074, 26.9414, 76.0741



40.0398, 26.9414, 50.6668



41.9783, 26.9414, 26.9555

Triad

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



40.0398, 26.9414, 50.6668



24.7622, 26.9414, 4.9398



15.7505, 26.9414, 57.0150

Complementary

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



40.0398, 26.9414, 50.6668



31.9041, 49.5109, 26.9458

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.



14.1648, 26.9414, 31.8498



40.0398, 26.9414, 50.6668



18.7182, 26.9414, 7.2000

Square

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



40.0398, 26.9414, 50.6668



32.2508, 26.9414, 6.2829



15.1407, 26.9414, 15.0297



19.9447, 26.9414, 80.7861

Rectangle

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



40.0398, 26.9414, 50.6668



40.4376, 26.9414, 16.2172



15.1407, 26.9414, 15.0297



14.9343, 26.9414, 48.1088

Sweetspot

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



40.0407, 26.9427, 50.6673



82.8765, 77.5121, 99.1108



24.5148, 18.6721, 61.9870



17.4135, 15.9945, 20.9367



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.



40.0407, 26.9427, 50.6673



59.6606, 36.2304, 75.4950



35.4744, 25.1161, 26.6216



12.2092, 11.9684, 14.3777



20.6516, 10.1335, 24.1350



1.1804, 0.5769, 1.4846

Inverse Universe

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



40.0407, 26.9427, 50.6673



59.6606, 36.2304, 75.4950



36.0103, 51.1533, 48.5686



12.2092, 11.9684, 14.3777



20.6516, 10.1335, 24.1350



1.1804, 0.5769, 1.4846

Previews

White Background



This preview shows how the XYZ color 40.0398, 26.9414, 50.6668 looks on a white background.

Color Contrast Check

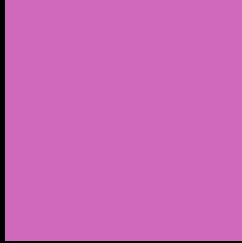
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.0398, 26.9414, 50.6668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

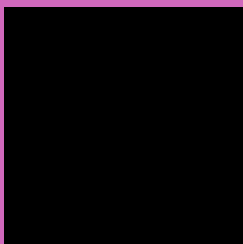
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.0398, 26.9414, 50.6668

Background



This preview shows how black text looks on a background with the XYZ color 40.0398, 26.9414, 50.6668.



This preview shows how white text looks on a background with the XYZ color 40.0398, 26.9414,

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

40.0398, 26.9414, 50.6668

Protanopia

28.8430, 27.3589, 68.7263

Deuteranopia

27.8133, 27.2845, 48.0565



Tritanopia

34.3966, 26.9067, 23.4593

Trichromacy



Original Color

40.0398, 26.9414, 50.6668



Protanomaly

31.1244, 26.0245, 61.7753



Deuteranomaly

31.1414, 26.3208, 48.7865



Tritanomaly

36.2318, 26.8175, 31.7005

Monochromacy



Original Color

40.0398, 26.9414, 50.6668



Achromatopsia

26.9133, 28.3149, 30.8349



Achromatomaly

30.5641, 26.8633, 37.2924

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.0398, 26.9414, 50.6668 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(208, 104, 188)` looks like.

```
.text, #text, p{  
    color:rgb(208, 104, 188)  
}
```

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(208, 104, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 104, 188) }
```

Border

The CSS property to change the border of an element to XYZ 40.0398, 26.9414, 50.6668 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(208, 104, 188) }
```


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

```
.border{ border-color:rgb(208, 104, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 104, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 104, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 104, 188);  
box-shadow:4px 4px 4px 4px rgb(208, 104,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 40.0398, 26.9414, 50.6668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 104, 188) }
```

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

```
.background{ background-color: rgb(208,  
104, 188) }
```

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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