

Converting Colors

XYZ(47.6763, 40.6040, 71.4638)

Have a look what the booklet for
XYZ(47.6763, 40.6040, 71.4638)
contains.

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Color

**XYZ(47.6649, 40.5104,
71.6367)**

Conversions

Conversions Part 1

Format	Color
Hex	C69BDA
RGB	198, 155, 218
RGB Percent	78%, 61%, 85%
CMY	0.2235, 0.3921, 0.1451
CMYK	0.09, 0.29, 0.00, 0.15
HSL	281°, 46%, 73%
HSV	281°, 29%, 85%
XYZ	47.6649, 40.5104, 71.6367
YIQ	175.0390, 5.4050, 28.7090

Conversions

Conversions Part 2

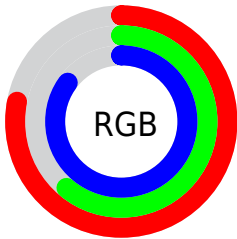
Format	Color
RYB	198, 155, 218
Decimal	13016026
CIELab	69.83, 27.28, -25.96
CIELCh	70, 37.660, 316.416
Yxy	40.5104, 0.2983, 0.2535
Android (android.graphics.Color)	4291206106 (0xFFC69BDA)
YUV	175.0390, 21.1798, 20.1368
Hunter-Lab	63.6478, 22.2924, -22.1785

Details

The XYZ color **47.6649, 40.5104, 71.6367** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.6684, 61.6243, 40.3418**, and the grayscale version is **40.6608, 42.7783, 46.5855**.

A 20% lighter version of the original color is **82.3366, 74.5732, 104.6622**, and **22.7888, 18.1845, 36.9592** is the 20% darker color. If you saturate the color by 10%, you get **42.5767, 32.9799, 70.4520**, and if you desaturate by 10%, it is **53.4940, 49.3972, 73.0454**.

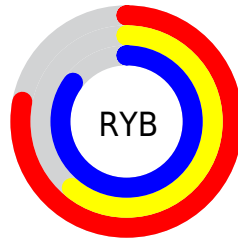
Distribution



Red (78%)

Green (61%)

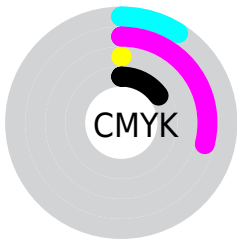
Blue (85%)



Red (78%)

Yellow (61%)

Blue (85%)

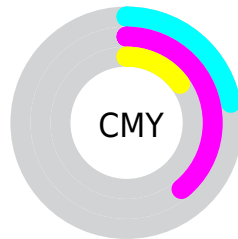


Cyan (9%)

Magenta (29%)

Yellow (0%)

Black (15%)



Cyan (22%)


Magenta (39%)


Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 47.6649, 40.5104, 71.6367 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 47.6649, 40.5104, 71.6367 by changing the saturation by 10% instead.


 47.6649, 40.5104,
71.6367

 47.6649, 40.5104,
71.6367


368.0671,
348.2702, 485.2196

 33.7717, 27.9367,
52.3769


 85.9180, 75.9401,
123.2428

 22.8804, 18.2780,
36.9213


 111.0086, 99.5649,
156.4262

 14.6254, 11.1497,
24.8513


140.5624,
127.6422, 195.0879

 8.6415, 6.1676,
15.7483

174.9448,
160.5565, 239.6464

 4.5633, 2.9473,
9.1938

214.5211,
198.6920, 290.5203

 2.0255, 1.1043,
4.7692

259.6567,

 0.6482, 0.0000,

242.4331, 348.1281

2.0562

310.7169,
292.1644, 412.8883

■ 0.0000, 0.0000,
0.5895

■ 0.0000, 0.0000,
0.0000

■ 47.6649, 40.5104,
71.6367

■ 47.6649, 40.5104,
71.6367

■ 42.5767, 32.9799,
70.4520

■ 53.4940, 49.3972,
73.0454

■ 38.1892, 26.7294,
69.4768

■ 60.0937, 59.7008,
74.6864

■ 34.4639, 21.6830,
68.6990

■ 67.4970, 71.4845,
76.5707

■ 31.3568, 17.7542,
68.1045

■ 75.7333, 84.8060,
78.7079

■ 28.8180, 14.8449,
67.6767

■ 81.8906, 93.8393,
80.1270

■ 26.7887, 12.8393,
67.3966

■ 84.1895, 95.0244,
80.2345

■ 25.1773, 11.5562,
67.2338

■ 86.5780, 96.2558,
80.3463

■ 25.0118, 11.4321,
67.2186

■ 89.0570, 97.5337,
80.4623

■ 89.6550, 97.8420,
80.4903

Harmonies

Analogous

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



41.9236, 40.5104, 84.9387



47.6649, 40.5104, 71.6367



51.1017, 40.5104, 52.5003

Triad

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



47.6649, 40.5104, 71.6367



41.3321, 40.5104, 18.8050



28.2903, 40.5104, 54.3270

Complementary

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



47.6649, 40.5104, 71.6367



48.6684, 61.6243, 40.3418

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.



28.1680, 40.5104, 36.6631



47.6649, 40.5104, 71.6367



35.2755, 40.5104, 19.0501

Square

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



47.6649, 40.5104, 71.6367



47.1926, 40.5104, 23.9359



30.5990, 40.5104, 24.7276



30.9530, 40.5104, 73.2755

Rectangle

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



47.6649, 40.5104, 71.6367



51.4106, 40.5104, 40.4516



30.5990, 40.5104, 24.7276



27.9612, 40.5104, 47.9803

Sweetspot

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



47.6662, 40.5121, 71.6376



85.5308, 84.8656, 106.4805



41.6993, 43.0829, 72.4483



17.9969, 17.6764, 22.7133



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.



47.6662, 40.5121, 71.6376



63.2142, 50.6783, 101.0579



51.9597, 42.8792, 64.8914



13.1915, 13.0568, 16.4771



15.1007, 6.9089, 40.2761



1.0662, 0.4929, 2.6134

Inverse Universe

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



48.3740, 41.4450, 46.0093



64.5778, 52.3404, 57.7873



45.4275, 59.8472, 44.9956



13.2255, 13.1193, 14.4488



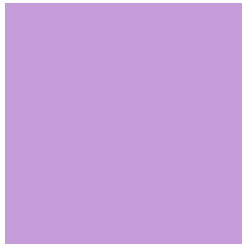
18.0129, 9.2062, 4.4481



1.2054, 0.6118, 0.4907

Previews

White Background



This preview shows how the XYZ color 47.6649, 40.5104, 71.6367 looks on a white background.

Color Contrast Check

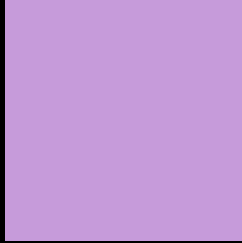
Large Text (above 18pt) WCAG AA × Fail

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 47.6649, 40.5104, 71.6367 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

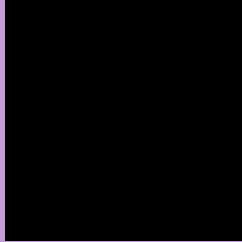
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.6649, 40.5104, 71.6367

Background



This preview shows how black text looks on a background with the XYZ color 47.6649, 40.5104, 71.6367.



This preview shows how white text looks on a background with the XYZ color 47.6649, 40.5104,

71.6367.

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

47.6649, 40.5104, 71.6367

Protanopia

41.5180, 40.8474, 79.0949

Deuteranopia

41.7071, 40.8556, 70.6535



Tritanopia

42.6719, 40.5354, 46.6494

Trichromacy



Original Color

47.6649, 40.5104, 71.6367

Protanomaly

43.3076, 40.4788, 76.0516

Deuteranomaly

43.5261, 40.4342, 71.1562

Tritanomaly

44.2229, 40.3725, 54.7521

Monochromacy



Original Color

47.6649, 40.5104, 71.6367

Achromatopsia

40.7470, 42.8690, 46.6844

Achromatomaly

42.9350, 41.8341, 55.1021

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.6649, 40.5104, 71.6367 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(198, 155, 218)` looks like.

```
.text, #text, p{  
    color:rgb(198, 155, 218)  
}
```

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(198, 155, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 155, 218) }
```

Border

The CSS property to change the border of an element to XYZ 47.6649, 40.5104, 71.6367 is called "border". The border property can be set on classes, ids or directly on the HTML element.

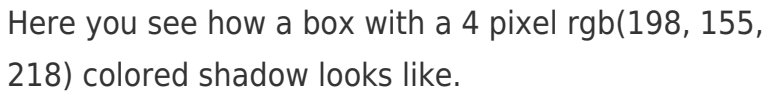
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(198, 155, 218) }
```


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

```
.border{ border-color:rgb(198, 155, 218) }
```

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



Here you see how a box with a 4 pixel `rgb(198, 155, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 155, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 155, 218);  
box-shadow:4px 4px 4px 4px rgb(198, 155,  
218) }
```

Background

The CSS property to change the background color of an element to XYZ 47.6649, 40.5104, 71.6367 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 155, 218) }
```

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

```
.background{ background-color: rgb(198,  
155, 218) }
```

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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