

Converting Colors

XYZ(40.6187, 29.3271, 68.9951)

Have a look what the booklet for
XYZ(40.6187, 29.3271, 68.9951)
contains.

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Color

**XYZ(40.6071, 29.2798,
69.1570)**

Conversions

Conversions Part 1

Format	Color
Hex	BF77D9
RGB	191, 119, 217
RGB Percent	75%, 47%, 85%
CMY	0.2510, 0.5333, 0.1490
CMYK	0.12, 0.45, 0.00, 0.15
HSL	284°, 56%, 66%
HSV	284°, 45%, 85%
XYZ	40.6071, 29.2798, 69.1570
YIQ	151.7000, 11.4540, 45.7420

Conversions

Conversions Part 2

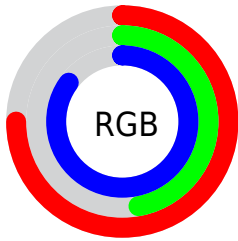
Format	Color
RYB	191, 119, 217
Decimal	12548057
CIELab	61.03, 44.56, -39.11
CIELCh	61, 59.293, 318.728
Yxy	29.2798, 0.2920, 0.2106
Android (android.graphics.Color)	4290738137 (0xFFBF77D9)
YUV	151.7000, 32.1929, 34.4661
Hunter-Lab	54.1108, 39.2602, -37.8988

Details

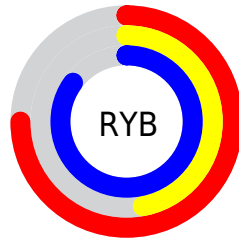
The XYZ color **40.6071, 29.2798, 69.1570** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **39.8206, 56.9781, 26.3531**, and the grayscale version is **29.5792, 31.1196, 33.8892**.

A 20% lighter version of the original color is **72.0605, 57.2469, 101.8595**, and **18.7421, 11.9771, 35.5064** is the 20% darker color. If you saturate the color by 10%, you get **36.8940, 23.9602, 68.3264**, and if you desaturate by 10%, it is **44.9687, 35.8102, 70.1881**.

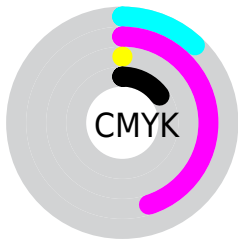
Distribution



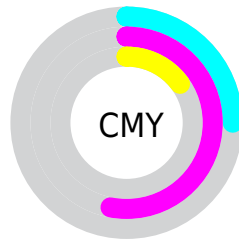
- Red (75%)
- Green (47%)
- Blue (85%)



- Red (75%)
- Yellow (47%)
- Blue (85%)



- Cyan (12%)
- Magenta (45%)
- Yellow (0%)
- Black (15%)





- Cyan (25%)
- Magenta (53%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 40.6071, 29.2798, 69.1570 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 40.6071, 29.2798, 69.1570 by changing the saturation by 10% instead.


 40.6071, 29.2798,
69.1570

 40.6071, 29.2798,
69.1570


339.7665,
298.5328, 476.2934


 28.1985, 19.2926,
50.3670


 75.3656, 58.5213,
119.6756

 18.6166, 11.8819,
35.3319


 98.4462, 78.5445,
152.2413

 11.4959, 6.6633,
23.6331


 125.8149,
102.6817, 190.2360

 6.4712, 3.2524,
14.8520

157.8369,
131.3174, 234.0783

 3.1770, 1.2649,
8.5701

194.8778,
164.8359, 284.1866

 1.2480, 0.1138,
4.3689

237.3028,

 0.1438, 0.0000,

203.6218, 340.9795

1.8298

285.4772,
248.0593, 404.8756

■ 0.0000, 0.0000,
0.4475

■ 0.0000, 0.0000,
0.0000

■ 40.6071, 29.2798,
69.1570

■ 40.6071, 29.2798,
69.1570

■ 36.8940, 23.9602,
68.3264

■ 44.9687, 35.8102,
70.1881

■ 33.7851, 19.7662,
67.6807

■ 50.0131, 43.6218,
71.4300

■ 31.2348, 16.6070,
67.2053

■ 55.7759, 52.7836,
72.8947

■ 29.1893, 14.3758,
66.8825

■ 62.2891, 63.3589,
74.5926

27.5829, 12.9420,
66.6904

69.5826, 75.4068,
76.5337

26.9080, 12.4248,
66.6261

77.6847, 88.9828,
78.7271

81.3369, 93.5689,
79.4198

83.2291, 94.5444,
79.5084

85.1830, 95.5517,
79.5998

Harmonies

Analogous

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



32.8966, 29.2798, 91.8296



40.6071, 29.2798, 69.1570



45.1623, 29.2798, 40.9767

Triad

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



40.6071, 29.2798, 69.1570



30.8468, 29.2798, 5.6634



15.9627, 29.2798, 47.6504

Complementary

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



40.6071, 29.2798, 69.1570



39.8206, 56.9781, 26.3531

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.



15.6187, 29.2798, 24.2415



40.6071, 29.2798, 69.1570



23.3116, 29.2798, 6.1299

Square

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



40.6071, 29.2798, 69.1570



38.8687, 29.2798, 9.3519



18.0603, 29.2798, 11.1948



19.1076, 29.2798, 75.9480

Rectangle

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



40.6071, 29.2798, 69.1570



45.3212, 29.2798, 25.8301



18.0603, 29.2798, 11.1948



15.5407, 29.2798, 38.8094

Sweetspot

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



40.6081, 29.2810, 69.1576



81.3008, 77.5474, 105.2909



30.2790, 29.2246, 69.6911



16.9901, 15.9367, 22.4306



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.



40.6081, 29.2810, 69.1576



53.4999, 34.9903, 98.5418



44.9655, 31.8475, 54.8956



13.2598, 13.0921, 16.4803



16.3932, 7.5752, 40.3365



1.1418, 0.5319, 2.6169

Inverse Universe

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



40.3238, 29.9909, 30.4527



53.4551, 36.3801, 34.7032



37.2941, 55.4974, 34.2865



13.1972, 13.1080, 14.2996



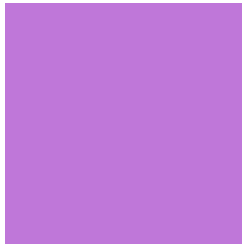
17.8154, 9.1272, 3.4079



1.1897, 0.6055, 0.4077

Previews

White Background



This preview shows how the XYZ color 40.6071, 29.2798, 69.1570 looks on a white background.

Color Contrast Check

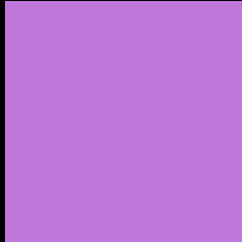
Large Text (above 18pt) WCAG AA ✓ Pass

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 40.6071, 29.2798, 69.1570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

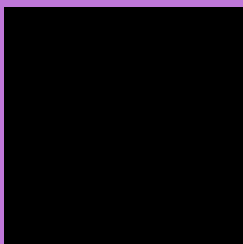
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 40.6071, 29.2798, 69.1570

Background



This preview shows how black text looks on a background with the XYZ color 40.6071, 29.2798, 69.1570.



This preview shows how white text looks on a background with the XYZ color 40.6071, 29.2798,

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

40.6071, 29.2798, 69.1570

Protanopia

32.2609, 29.8623, 85.7250

Deuteranopia

30.3309, 29.5222, 66.3871



Tritanopia

32.9083, 29.2270, 31.1011

Trichromacy



Original Color

40.6071, 29.2798, 69.1570

Protanomaly

34.0432, 28.9533, 79.3956

Deuteranomaly

33.1545, 28.7593, 67.4220

Tritanomaly

35.3042, 28.9934, 42.7653

Monochromacy



Original Color

40.6071, 29.2798, 69.1570

Achromatopsia

29.8446, 31.3989, 34.1934

Achromatomaly

32.9404, 29.9977, 45.1283

CSS Examples

Text

The CSS property to change the color of the text to XYZ 40.6071, 29.2798, 69.1570 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(191, 119, 217)` looks like.

```
.text, #text, p{  
    color:rgb(191, 119, 217)  
}
```

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(191, 119, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(191, 119, 217) }
```

Border

The CSS property to change the border of an element to XYZ 40.6071, 29.2798, 69.1570 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(191, 119, 217) }
```


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

```
.border{ border-color:rgb(191, 119, 217) }
```

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

Here you see how a box with a 4 pixel `rgb(191, 119, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(191, 119, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(191, 119, 217);  
box-shadow:4px 4px 4px 4px rgb(191, 119,  
217) }
```

Background

The CSS property to change the background color of an element to XYZ 40.6071, 29.2798, 69.1570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(191, 119, 217) }
```

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

```
.background{ background-color: rgb(191,  
119, 217) }
```

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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