

Converting Colors

XYZ(40.0003, 29.4065, 67.9111)

Have a look what the booklet for
XYZ(40.0003, 29.4065, 67.9111)
contains.

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Color

**XYZ(39.8422, 29.2724,
67.8402)**

Conversions

Conversions Part 1

| Format | Color |
|-------------|---------------------------|
| Hex | BC79D7 |
| RGB | 188, 121, 215 |
| RGB Percent | 74%, 47%, 84% |
| CMY | 0.2627, 0.5255, 0.1569 |
| CMYK | 0.13, 0.44, 0.00, 0.16 |
| HSL | 283°, 54%, 66% |
| HSV | 283°, 44%, 84% |
| XYZ | 39.8422, 29.2724, 67.8402 |
| YIQ | 151.7490, 9.7580, 43.4380 |

Conversions

Conversions Part 2

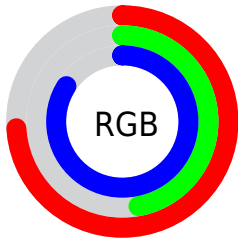
| Format | Color |
|-------------------------------------|-------------------------------|
| RYB | 188, 121, 215 |
| Decimal | 12351959 |
| CIELab | 61.02, 42.21, -38.02 |
| CIELCh | 61, 56.814, 317.988 |
| Yxy | 29.2724, 0.2909, 0.2137 |
| Android (android.graphics.Color) | 4290542039 (0xFFBC79D7) |
| YUV | 151.7490, 31.1827, 31.7921 |
| Hunter-Lab | 54.1040, 36.7656, -36.4701 |

Details

The XYZ color **39.8422, 29.2724, 67.8402** is a light color, and the websafe version is hex **9966CC**. A complement of this color would be **39.9652, 56.2779, 26.8467**, and the grayscale version is **29.6049, 31.1466, 33.9187**.

A 20% lighter version of the original color is **71.3860, 57.4728, 101.9386**, and **18.2082, 11.9049, 34.5959** is the 20% darker color. If you saturate the color by 10%, you get **36.0261, 23.8498, 66.9951**, and if you desaturate by 10%, it is **44.3077, 35.8954, 68.8837**.

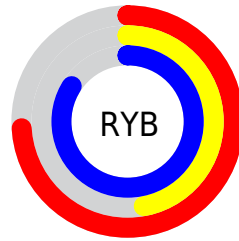
Distribution



Red (74%)

Green (47%)

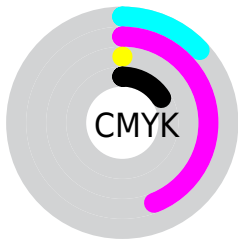
Blue (84%)



Red (74%)

Yellow (47%)

Blue (84%)

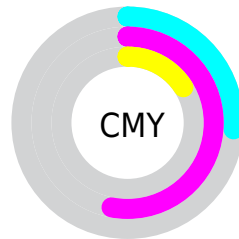


Cyan (13%)

Magenta (44%)

Yellow (0%)

Black (16%)



Cyan (26%)


Magenta (53%)


Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 39.8422, 29.2724, 67.8402 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 39.8422, 29.2724, 67.8402 by changing the saturation by 10% instead.


 39.8422, 29.2724,
67.8402


 39.8422, 29.2724,
67.8402


336.6039,
298.4981, 471.5123


 27.5992, 19.2870,
49.3019

 74.2090, 58.5096,
117.7756

 18.1627, 11.8778,
34.4917


 97.0636, 78.5302,
150.0097

 11.1672, 6.6605,
22.9912


 124.1860,
102.6646, 187.6461

 6.2475, 3.2507,
14.3818

155.9417,
131.2972, 231.1034

 3.0383, 1.2640,
8.2449

192.6959,
164.8125, 280.8002

 1.1740, 0.1131,
4.1620

234.8141,

 0.0857, 0.0000,

203.5948, 337.1549

1.7146

282.6617,
248.0285, 400.5861

■ 0.0000, 0.0000,
0.3707

■ 0.0000, 0.0000,
0.0000

■ 39.8422, 29.2724,
67.8402

■ 39.8422, 29.2724,
67.8402

■ 36.0261, 23.8498,
66.9951

■ 44.3077, 35.8954,
68.8837

■ 32.8162, 19.5451,
66.3334

■ 49.4558, 43.7867,
70.1355

■ 30.1690, 16.2715,
65.8411

■ 55.3210, 53.0130,
71.6072

■ 28.0329, 13.9269,
65.5011

■ 61.9343, 63.6358,
73.3091

■ 26.3453, 12.3879,
65.2930

■ 69.3252, 75.7122,
75.2505

■ 25.4493, 11.7027,
65.2080

■ 77.5211, 89.2964,
77.4406

■ 81.0551, 93.4536,
78.0567

■ 83.0864, 94.5007,
78.1518

■ 85.1888, 95.5845,
78.2502

Harmonies

Analogous

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



32.4709, 29.2724, 88.7615



39.8422, 29.2724, 67.8402



44.2628, 29.2724, 41.1670

Triad

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



39.8422, 29.2724, 67.8402



30.9025, 29.2724, 6.2684



16.3281, 29.2724, 46.2483

Complementary

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



39.8422, 29.2724, 67.8402



39.9652, 56.2779, 26.8467

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.



16.0594, 29.2724, 24.0944



39.8422, 29.2724, 67.8402



23.6405, 29.2724, 6.6491

Square

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



39.8422, 29.2724, 67.8402



38.5194, 29.2724, 10.1159



18.5018, 29.2724, 11.5848



19.3156, 29.2724, 72.9532

Rectangle

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



39.8422, 29.2724, 67.8402



44.5006, 29.2724, 26.5192



18.5018, 29.2724, 11.5848



15.9390, 29.2724, 37.9020

Sweetspot

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



39.8432, 29.2736, 67.8408



81.9548, 78.8815, 105.5139



30.9311, 30.5307, 68.5532



17.1068, 16.1930, 22.4739



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.



39.8432, 29.2736, 67.8408



53.6484, 35.9760, 98.7242



44.8491, 32.1175, 56.1803



12.5893, 12.4452, 15.6762



15.3309, 7.0559, 39.0070



1.0045, 0.4667, 2.3565

Inverse Universe

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



40.2078, 30.2610, 31.7396



54.6366, 37.8326, 37.9039



36.9054, 54.5541, 33.3198



12.5685, 12.4789, 13.6678



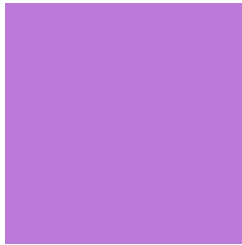
17.3178, 8.8635, 3.7118



1.0802, 0.5489, 0.4115

Previews

White Background



This preview shows how the XYZ color 39.8422, 29.2724, 67.8402 looks on a white background.

Color Contrast Check

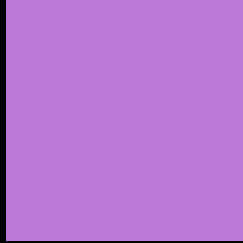
Large Text (above 18pt) WCAG AA ✓ Pass

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 39.8422, 29.2724, 67.8402 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

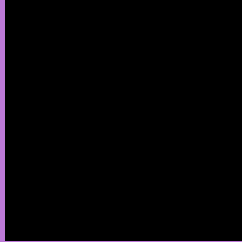
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 39.8422, 29.2724, 67.8402

Background



This preview shows how black text looks on a background with the XYZ color 39.8422, 29.2724, 67.8402.



This preview shows how white text looks on a background with the XYZ color 39.8422, 29.2724,

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

39.8422, 29.2724, 67.8402

Protanopia

31.9308, 29.7597, 82.6585

Deuteranopia

30.2239, 29.4960, 65.0731



Tritanopia

32.4307, 29.1799, 31.5268

Trichromacy



Original Color

39.8422, 29.2724, 67.8402



Protanomaly

33.6230, 28.7852, 77.1828



Deuteranomaly

32.8619, 28.8478, 66.1235



Tritanomaly

34.8541, 29.1562, 42.8204

Monochromacy



Original Color

39.8422, 29.2724, 67.8402



Achromatopsia

29.8446, 31.3989, 34.1934



Achromatomaly

32.7798, 30.1442, 44.6482

CSS Examples

Text

The CSS property to change the color of the text to XYZ 39.8422, 29.2724, 67.8402 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(188, 121, 215)` looks like.

```
.text, #text, p{  
    color:rgb(188, 121, 215)  
}
```

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(188, 121, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 121, 215) }
```

Border

The CSS property to change the border of an element to XYZ 39.8422, 29.2724, 67.8402 is called "border". The border property can be set on classes, ids or directly on the HTML element.

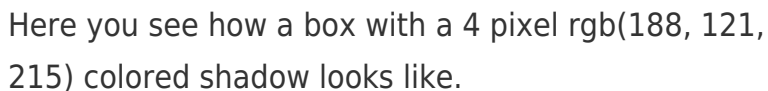
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 121, 215) }
```


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

```
.border{ border-color:rgb(188, 121, 215) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 121, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(188, 121, 215); -webkit-box-shadow:4px 4px 4px 4px rgb(188, 121, 215); box-shadow:4px 4px 4px 4px rgb(188, 121, 215) }
```

Background

The CSS property to change the background color of an element to XYZ 39.8422, 29.2724, 67.8402 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 121, 215) }
```

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

```
.background{ background-color: rgb(188,  
121, 215) }
```

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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