

Converting Colors

XYZ(45.2621, 40.2956, 69.1020)

Have a look what the booklet for
XYZ(45.2621, 40.2956, 69.1020)
contains.

XYZ(45.2748, 40.3427, 69.0190)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(45.2748, 40.3427,
69.0190)**

Conversions

Conversions Part 1

Format	Color
Hex	BC9FD6
RGB	188, 159, 214
RGB Percent	74%, 62%, 84%
CMY	0.2627, 0.3765, 0.1608
CMYK	0.12, 0.26, 0.00, 0.16
HSL	272°, 40%, 73%
HSV	272°, 26%, 84%
XYZ	45.2748, 40.3427, 69.0190
YIQ	173.9410, -0.3710, 23.2530

Conversions

Conversions Part 2

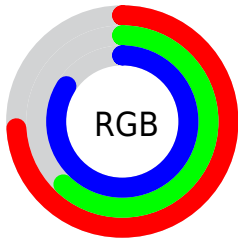
Format	Color
R _{YB}	188, 159, 214
Decimal	12361686
CIE Lab	69.71, 21.04, -24.02
CIE LCh	70, 31.932, 311.209
Yxy	40.3427, 0.2928, 0.2609
Android (android.graphics.Color)	4290551766 (0xFFBC9FD6)
YUV	173.9410, 19.7491, 12.3297
Hunter-Lab	63.5159, 16.0838, -19.9658

Details

The XYZ color **45.2748, 40.3427, 69.0190** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.3135, 60.9116, 41.9081**, and the grayscale version is **40.1049, 42.1935, 45.9487**.

A 20% lighter version of the original color is **79.7528, 74.7256, 104.8278**, and **21.3472, 18.0869, 35.1669** is the 20% darker color. If you saturate the color by 10%, you get **39.5033, 32.3700, 67.7849**, and if you desaturate by 10%, it is **51.8607, 49.6829, 70.4754**.

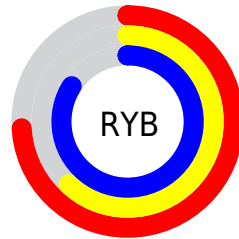
Distribution



Red (74%)

Green (62%)

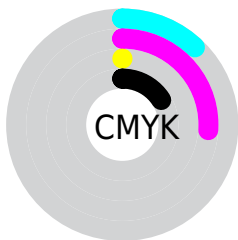
Blue (84%)



Red (74%)

Yellow (62%)

Blue (84%)

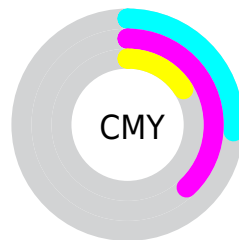


Cyan (12%)

Magenta (26%)

Yellow (0%)

Black (16%)



Cyan (26%)

Magenta (38%)

Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 45.2748, 40.3427, 69.0190 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 45.2748, 40.3427, 69.0190 by changing the saturation by 10% instead.

■ 45.2748, 40.3427,
69.0190

■ 45.2748, 40.3427,
69.0190

358.6504,
347.5659, 475.7937

■ 31.8761, 27.8058,
50.2553

■ 82.3672, 75.6851,
119.4767

■ 21.4220, 18.1794,
35.2437

■ 106.7915, 99.2594,
152.0078

■ 13.5470, 11.0788,
23.5656

135.6219,
127.2817, 189.9651

■ 7.8859, 6.1199,
14.8025

169.2236,
160.1362, 233.7671

■ 4.0732, 2.9181,
8.5358

207.9619,
198.2076, 283.8325

■ 1.7436, 1.0891,
4.3470

252.2022,

■ 0.4833, 0.0000,

241.8800, 340.5797

1.8176

302.3099,
291.5380, 404.4272

■ 0.0000, 0.0000,
0.4395

■ 0.0000, 0.0000,
0.0000

■ 45.2748, 40.3427,
69.0190

■ 45.2748, 40.3427,
69.0190

■ 39.5033, 32.3700,
67.7849

■ 51.8607, 49.6829,
70.4754

■ 34.5059, 25.6924,
66.7594

■ 59.2909, 60.4484,
72.1617

■ 30.2445, 20.2381,
65.9312

■ 67.5988, 72.6994,
74.0885

■ 26.6758, 15.9261,
65.2870

■ 76.8143, 86.4915,
76.2649

■ 23.7513, 12.6653,
64.8118

■ 83.3543, 94.6536,
77.4957

■ 21.4149, 10.3498,
64.4880

■ 86.8583, 96.4600,
77.6597

■ 19.5988, 8.8497,
64.2941

■ 89.1377, 97.6351,
77.7664

■ 18.9266, 8.3549,
64.2341

Harmonies

Analogous

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



40.3099, 40.3427, 78.1963



45.2748, 40.3427, 69.0190



48.5483, 40.3427, 53.7516

Triad

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



45.2748, 40.3427, 69.0190



41.6371, 40.3427, 22.1078



29.3952, 40.3427, 49.6973

Complementary

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



45.2748, 40.3427, 69.0190



50.3135, 60.9116, 41.9081

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.



29.6811, 40.3427, 35.3778



45.2748, 40.3427, 69.0190



36.4441, 40.3427, 21.4969

Square

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



45.2748, 40.3427, 69.0190



46.3213, 40.3427, 27.7108



32.1602, 40.3427, 25.7982



31.3405, 40.3427, 65.4829

Rectangle

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



45.2748, 40.3427, 69.0190



49.1685, 40.3427, 43.3282



32.1602, 40.3427, 25.7982



29.2385, 40.3427, 44.5300

Sweetspot

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



45.2761, 40.3444, 69.0199



85.4245, 85.8845, 106.6827



43.9084, 47.1700, 70.4095



17.9173, 17.8491, 22.7508



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.



45.2761, 40.3444, 69.0199



62.3685, 53.0996, 101.5698



52.1516, 43.9023, 68.7322



12.3613, 12.3277, 15.6655



11.5609, 5.1124, 38.8306



0.7926, 0.3575, 2.3465

Inverse Universe

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



48.8879, 42.5969, 51.5460



68.8064, 57.1114, 70.5609



44.6839, 58.0002, 42.0614



12.6652, 12.5176, 14.1772



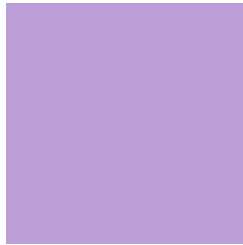
18.2384, 9.2317, 8.5594



1.1417, 0.5735, 0.7356

Previews

White Background



This preview shows how the XYZ color 45.2748, 40.3427, 69.0190 looks on a white background.

Color Contrast Check

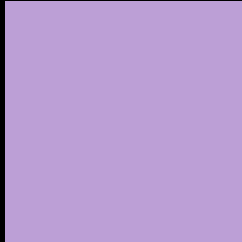
Large Text (above 18pt) WCAG AA × Fail

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 45.2748, 40.3427, 69.0190 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

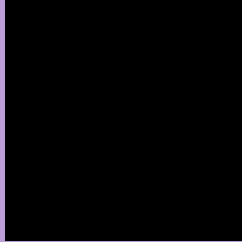
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 45.2748, 40.3427, 69.0190

Background



This preview shows how black text looks on a background with the XYZ color 45.2748, 40.3427, 69.0190.



This preview shows how white text looks on a background with the XYZ color 45.2748, 40.3427,

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

45.2748, 40.3427, 69.0190

Protanopia

41.1437, 40.7645, 74.1064

Deuteranopia

41.2194, 40.3902, 67.9110



Tritanopia

41.0643, 40.4722, 48.2954

Trichromacy



Original Color

45.2748, 40.3427, 69.0190

Protanomaly

42.2585, 40.2971, 71.8805

Deuteranomaly

42.5193, 40.2393, 68.4767

Tritanomaly

42.3788, 40.1905, 55.3931

Monochromacy



Original Color

45.2748, 40.3427, 69.0190

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

41.9637, 41.6338, 53.9685

CSS Examples

Text

The CSS property to change the color of the text to XYZ 45.2748, 40.3427, 69.0190 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, 159, 214)` looks like.

```
.text, #text, p{  
    color:rgb(188, 159, 214)  
}
```

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, 159, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 159, 214) }
```

Border

The CSS property to change the border of an element to XYZ 45.2748, 40.3427, 69.0190 is called "border". The border property can be set on classes, ids or directly on the HTML element.

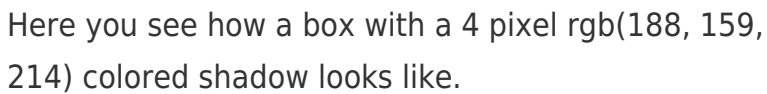
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(188, 159, 214) }
```


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

```
.border{ border-color:rgb(188, 159, 214) }
```

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



Here you see how a box with a 4 pixel `rgb(188, 159, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 159, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 159, 214);  
box-shadow:4px 4px 4px 4px rgb(188, 159,  
214) }
```

Background

The CSS property to change the background color of an element to XYZ 45.2748, 40.3427, 69.0190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 159, 214) }
```

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

```
.background{ background-color: rgb(188,  
159, 214) }
```

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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