

Converting Colors

XYZ(49.9626, 39.3849, 65.6468)

Have a look what the booklet for
XYZ(49.9626, 39.3849, 65.6468)
contains.

XYZ(50.0772, 39.5029, 65.9582)	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(50.0772, 39.5029,
65.9582)**

Conversions

Conversions Part 1

Format	Color
Hex	D891D2
RGB	216, 145, 210
RGB Percent	85%, 57%, 82%
CMY	0.1529, 0.4314, 0.1765
CMYK	0.00, 0.33, 0.03, 0.15
HSL	305°, 48%, 71%
HSV	305°, 33%, 85%
XYZ	50.0772, 39.5029, 65.9582
YIQ	173.6390, 21.4510, 35.2670

Conversions

Conversions Part 2

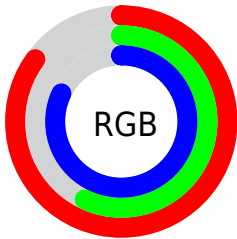
Format	Color
R _Y B	216, 145, 210
Decimal	14193106
CIE Lab	69.11, 36.96, -22.48
CIE LCh	69, 43.262, 328.697
Yxy	39.5029, 0.3220, 0.2540
Android (android.graphics.Color)	4292383186 (0xFFD891D2)
YUV	173.6390, 17.9260, 37.1506
Hunter-Lab	62.8513, 32.2312, -18.2249

Details

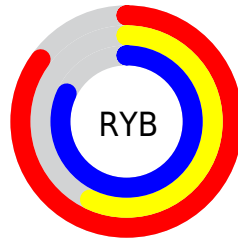
The XYZ color **50.0772, 39.5029, 65.9582** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.8205, 57.3672, 38.1494**, and the grayscale version is **39.9515, 42.0321, 45.7729**.

A 20% lighter version of the original color is **79.9443, 69.7886, 103.8648**, and **24.3279, 17.6688, 33.1385** is the 20% darker color. If you saturate the color by 10%, you get **46.8593, 33.4284, 63.7701**, and if you desaturate by 10%, it is **53.9276, 46.8368, 68.3708**.

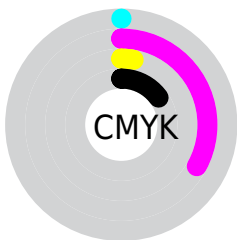
Distribution



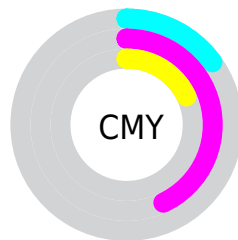
- Red (85%)
- Green (57%)
- Blue (82%)



- Red (85%)
- Yellow (57%)
- Blue (82%)



- Cyan (0%)
- Magenta (33%)
- Yellow (3%)
- Black (15%)



- Cyan (15%)
- Magenta (43%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.0772, 39.5029, 65.9582 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 50.0772, 39.5029, 65.9582 by changing the saturation by 10% instead.


 50.0772, 39.5029,
65.9582


 50.0772, 39.5029,
65.9582


377.4148,
344.0239, 464.6275

 35.6928, 27.1512,
47.7822


 89.4804, 74.4060,
115.0528

 24.3660, 17.6868,
33.2957


 115.2299, 97.7261,
146.8084

 15.7316, 10.7254,
22.0801


145.4984,
125.4711, 183.9277

 9.4240, 5.8825,
13.7169

180.6514,
158.0255, 226.8292

 5.0781, 2.7737,
7.7875

221.0542,
195.7735, 275.9313

 2.3284, 1.0148,
3.8735

267.0721,

 0.8091, 0.0000,

239.0997, 331.6527

1.5562

319.0705,
288.3883, 394.4120

■ 0.0000, 0.0000,
0.2593

■ 0.0000, 0.0000,
0.0000

■ 50.0772, 39.5029,
65.9582

■ 50.0772, 39.5029,
65.9582

■ 46.8593, 33.4284,
63.7701

■ 53.9276, 46.8368,
68.3708

■ 44.2346, 28.5368,
61.7921

■ 58.4396, 55.4906,
71.0163

■ 42.1650, 24.7513,
60.0119

■ 63.6451, 65.5272,
73.9059

■ 40.6066, 21.9840,
58.4147

■ 69.5728, 77.0038,
77.0491

39.5087, 20.1336,
56.9836

76.2496, 89.9746,
80.4550

38.8102, 19.0780,
55.6983

77.1244, 91.3372,
81.9399

38.4830, 18.6646,
54.8463

77.3690, 91.4350,
83.2278

77.6162, 91.5339,
84.5297

77.8661, 91.6339,
85.8455

Harmonies

Analogous

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



44.2922, 39.5029, 85.7522



50.0772, 39.5029, 65.9582



52.4524, 39.5029, 43.8829

Triad

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



50.0772, 39.5029, 65.9582



37.8492, 39.5029, 15.0890



27.0589, 39.5029, 63.9856

Complementary

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



50.0772, 39.5029, 65.9582



41.8205, 57.3672, 38.1494

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.



25.7712, 39.5029, 42.1526



50.0772, 39.5029, 65.9582



31.5227, 39.5029, 17.5291

Square

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



50.0772, 39.5029, 65.9582



44.8789, 39.5029, 18.0089



27.3024, 39.5029, 26.1203



31.0594, 39.5029, 84.3891

Rectangle

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



50.0772, 39.5029, 65.9582



51.5856, 39.5029, 31.9338



27.3024, 39.5029, 26.1203



26.3178, 39.5029, 56.3948

Sweetspot

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



50.0784, 39.5047, 65.9590



87.1028, 84.6577, 104.5486



35.2689, 31.7821, 69.2424



18.4226, 17.6947, 22.2532



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.



50.0784, 39.5047, 65.9590



69.7791, 51.5766, 93.9455



46.1428, 37.9304, 45.2343



12.9056, 12.6138, 15.4433



22.7974, 11.0553, 32.5670



1.3887, 0.6723, 2.0362

Inverse Universe

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



50.0784, 39.5047, 65.9590



69.7791, 51.5766, 93.9455



45.1418, 58.6957, 55.6388



12.9056, 12.6138, 15.4433



22.7974, 11.0553, 32.5670



1.3887, 0.6723, 2.0362

Previews

White Background



This preview shows how the XYZ color 50.0772, 39.5029, 65.9582 looks on a white background.

Color Contrast Check

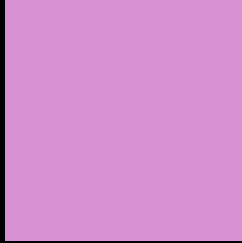
Large Text (above 18pt) WCAG AA × Fail

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 50.0772, 39.5029, 65.9582 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

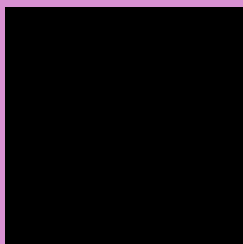
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.0772, 39.5029, 65.9582

Background



This preview shows how black text looks on a background with the XYZ color 50.0772, 39.5029, 65.9582.



This preview shows how white text looks on a background with the XYZ color 50.0772, 39.5029,

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

50.0772, 39.5029, 65.9582

Protanopia

40.6831, 39.9007, 77.5089

Deuteranopia

40.5321, 39.5820, 63.8963



Tritanopia

45.0169, 39.5660, 41.3408

Trichromacy



Original Color

50.0772, 39.5029, 65.9582



Protanomaly

43.2209, 39.1937, 72.9973



Deuteranomaly

43.4969, 39.2730, 64.3194



Tritanomaly

46.6615, 39.5077, 49.4224

Monochromacy



Original Color

50.0772, 39.5029, 65.9582



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

43.0531, 40.6011, 52.5814

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.0772, 39.5029, 65.9582 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(216, 145, 210)` looks like.

```
.text, #text, p{  
    color:rgb(216, 145, 210)  
}
```

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(216, 145, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 145, 210) }
```

Border

The CSS property to change the border of an element to XYZ 50.0772, 39.5029, 65.9582 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(216, 145, 210) }
```


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

```
.border{ border-color:rgb(216, 145, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 145, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 145, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 145, 210);  
box-shadow:4px 4px 4px 4px rgb(216, 145,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 50.0772, 39.5029, 65.9582 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 145, 210) }
```

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

```
.background{ background-color: rgb(216,  
145, 210) }
```

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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