

Converting Colors

XYZ(50.7963, 39.6159, 69.7815)

Have a look what the booklet for
XYZ(50.7963, 39.6159, 69.7815)
contains.

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Color

**XYZ(50.6868, 39.5033,
69.9192)**

Conversions

Conversions Part 1

Format	Color
Hex	D890D8
RGB	216, 144, 216
RGB Percent	85%, 56%, 85%
CMY	0.1529, 0.4353, 0.1529
CMYK	0.00, 0.33, 0.00, 0.15
HSL	300°, 48%, 71%
HSV	300°, 33%, 85%
XYZ	50.6868, 39.5033, 69.9192
YIQ	173.7360, 19.8000, 37.6560

Conversions

Conversions Part 2

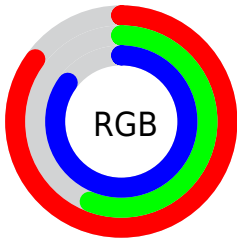
Format	Color
RYB	216, 144, 216
Decimal	14192856
CIELab	69.11, 38.60, -25.80
CIELCh	69, 46.424, 326.239
Yxy	39.5033, 0.3166, 0.2467
Android (android.graphics.Color)	4292382936 (0xFFD890D8)
YUV	173.7360, 20.8362, 37.0655
Hunter-Lab	62.8517, 33.9612, -21.9609

Details

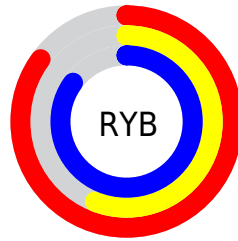
The XYZ color **50.6868, 39.5033, 69.9192** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.0931, 57.0559, 35.2347**, and the grayscale version is **39.9873, 42.0697, 45.8139**.

A 20% lighter version of the original color is **79.7134, 69.3268, 103.7878**, and **24.7574, 17.7011, 35.8300** is the 20% darker color. If you saturate the color by 10%, you get **47.7234, 33.5757, 68.9317**, and if you desaturate by 10%, it is **54.2786, 46.6861, 71.1170**.

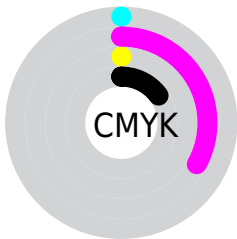
Distribution



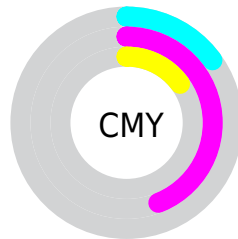
- Red (85%)
- Green (56%)
- Blue (85%)



- Red (85%)
- Yellow (56%)
- Blue (85%)



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





- Cyan (15%)
- Magenta (44%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.6868, 39.5033, 69.9192 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 50.6868, 39.5033, 69.9192 by changing the saturation by 10% instead.


 50.6868, 39.5033,
69.9192


 50.6868, 39.5033,
69.9192


379.7534,
344.0256, 479.0477

 36.1794, 27.1515,
50.9843


 90.3774, 74.4066,
120.7736

 24.7436, 17.6870,
35.8194


 116.2913, 97.7268,
153.5301

 16.0138, 10.7255,
24.0062


146.7382,
125.4720, 191.7308

 9.6248, 5.8826,
15.1260

182.0833,
158.0265, 235.7944

 5.2113, 2.7738,
8.7602

222.6920,
195.7747, 286.1394

 2.4078, 1.0148,
4.4905

268.9297,

 0.8490, 0.0000,

239.1010, 343.1842

1.8981

321.1617,
288.3898, 407.3475

■ 0.0000, 0.0000,
0.4915

■ 0.0000, 0.0000,
0.0000

■ 50.6868, 39.5033,
69.9192

■ 50.6868, 39.5033,
69.9192

■ 47.7234, 33.5757,
68.9317

■ 54.2786, 46.6861,
71.1170

■ 45.3488, 28.8265,
68.1401

■ 58.5280, 55.1848,
72.5335

■ 43.5248, 25.1785,
67.5320

■ 63.4668, 65.0625,
74.1799

■ 42.2072, 22.5434,
67.0928

■ 69.1239, 76.3766,
76.0656

41.3450, 20.8190,
66.8053

75.5263, 89.1814,
78.1998

40.8765, 19.8821,
66.6491

76.4742, 91.0771,
78.5159

40.7140, 19.5570,
66.5948

76.4742, 91.0771,
78.5159

76.4742, 91.0771,
78.5160

76.4742, 91.0771,
78.5161

Harmonies

Analogous

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



44.2076, 39.5033, 90.9986



50.6868, 39.5033, 69.9192



53.6408, 39.5033, 45.7457

Triad

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



50.6868, 39.5033, 69.9192



38.4893, 39.5033, 13.7847



26.1582, 39.5033, 63.7020

Complementary

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



50.6868, 39.5033, 69.9192



41.0931, 57.0559, 35.2347

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.



25.0443, 39.5033, 40.3902



50.6868, 39.5033, 69.9192



31.5909, 39.5033, 15.8048

Square

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



50.6868, 39.5033, 69.9192



46.0377, 39.5033, 17.2185



26.8998, 39.5033, 24.0817



30.1697, 39.5033, 86.6572

Rectangle

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



50.6868, 39.5033, 69.9192



52.9613, 39.5033, 32.5770



26.8998, 39.5033, 24.0817



25.4572, 39.5033, 55.4676

Sweetspot

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



50.6881, 39.5050, 69.9200



87.4478, 84.7957, 106.3658



33.8713, 30.8357, 69.1333



18.5068, 17.7284, 22.6964



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.



50.6881, 39.5050, 69.9200



70.6811, 51.2624, 100.7766



46.5318, 37.8425, 48.0335



12.9531, 12.6327, 15.6932



24.0982, 11.5756, 39.4169



1.4535, 0.6982, 2.3774

Inverse Universe

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



50.6881, 39.5050, 69.9200



70.6811, 51.2624, 100.7766



44.2972, 58.3375, 52.1072



12.9531, 12.6327, 15.6932



24.0982, 11.5756, 39.4169



1.4535, 0.6982, 2.3774

Previews

White Background



This preview shows how the XYZ color 50.6868, 39.5033, 69.9192 looks on a white background.

Color Contrast Check

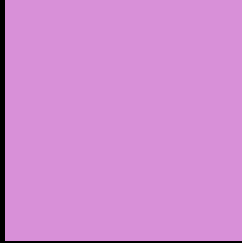
Large Text (above 18pt) WCAG AA × Fail

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 50.6868, 39.5033, 69.9192 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

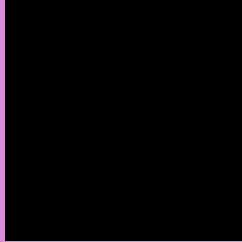
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 50.6868, 39.5033, 69.9192

Background



This preview shows how black text looks on a background with the XYZ color 50.6868, 39.5033, 69.9192.



This preview shows how white text looks on a background with the XYZ color 50.6868, 39.5033,

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

50.6868, 39.5033, 69.9192

Protanopia

40.9211, 39.9102, 82.6375

Deuteranopia

40.6241, 39.8124, 67.8308



Tritanopia

44.7330, 39.4197, 41.3275

Trichromacy



Original Color

50.6868, 39.5033, 69.9192



Protanomaly

43.4968, 39.2266, 77.9520



Deuteranomaly

43.5285, 39.2029, 68.2235



Tritanomaly

46.7095, 39.2704, 50.4655

Monochromacy



Original Color

50.6868, 39.5033, 69.9192



Achromatopsia

40.2316, 42.3268, 46.0938



Achromatomaly

43.2688, 40.6873, 53.7170

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.6868, 39.5033, 69.9192 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, 144, 216)` looks like.

```
.text, #text, p{  
    color:rgb(216, 144, 216)  
}
```

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, 144, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 144, 216) }
```

Border

The CSS property to change the border of an element to XYZ 50.6868, 39.5033, 69.9192 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, 144, 216) }
```


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

```
.border{ border-color:rgb(216, 144, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 144, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 144, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 144, 216);  
box-shadow:4px 4px 4px 4px rgb(216, 144,  
216) }
```

Background

The CSS property to change the background color of an element to XYZ 50.6868, 39.5033, 69.9192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 144, 216) }
```

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

```
.background{ background-color: rgb(216,  
144, 216) }
```

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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