

# Converting Colors

XYZ(50.4086, 39.6356, 71.3424)

Have a look what the booklet for  
XYZ(50.4086, 39.6356, 71.3424)  
contains.

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# Color

**XYZ(50.2209, 39.4589,  
71.2991)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D591DA
RGB	213, 145, 218
RGB Percent	84%, 57%, 85%
CMY	0.1647, 0.4314, 0.1451
CMYK	0.02, 0.33, 0.00, 0.15
HSL	296°, 50%, 71%
HSV	296°, 33%, 85%
XYZ	50.2209, 39.4589, 71.2991
YIQ	173.6540, 17.0950, 37.1190

# Conversions

## Conversions Part 2

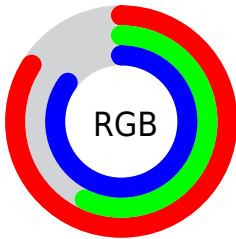
Format	Color
R <sub>Y</sub> B	213, 145, 218
Decimal	13996506
CIE Lab	69.08, 37.49, -26.98
CIE LCh	69, 46.187, 324.255
Yxy	39.4589, 0.3120, 0.2451
Android (android.graphics.Color)	4292186586 (0xFFD591DA)
YUV	173.6540, 21.8626, 34.5064
Hunter-Lab	62.8163, 32.7801, -23.3252

# Details

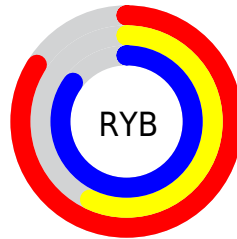
The XYZ color **50.2209, 39.4589, 71.2991** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.7612, 58.6722, 35.8611**, and the grayscale version is **39.9412, 42.0213, 45.7612**.

A 20% lighter version of the original color is **79.9443, 69.7886, 103.8648**, and **24.4298, 17.6411, 36.7678** is the 20% darker color. If you saturate the color by 10%, you get **46.7733, 33.2029, 70.2739**, and if you desaturate by 10%, it is **54.3141, 46.9987, 72.5393**.

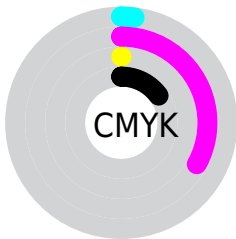
# Distribution



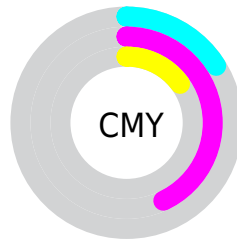
- Red (84%)
- Green (57%)
- Blue (85%)



- Red (84%)
- Yellow (57%)
- Blue (85%)



- Cyan (2%)
- Magenta (33%)
- Yellow (0%)
- Black (15%)




- Cyan (16%)
- Magenta (43%)
- Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 50.2209, 39.4589, 71.2991 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 50.2209, 39.4589, 71.2991 by changing the saturation by 10% instead.





 50.2209, 39.4589,  
71.2991


 50.2209, 39.4589,  
71.2991


377.9669,  
343.8376, 484.0101

 35.8075, 27.1169,  
52.1030


 89.6919, 74.3388,  
122.7579

 24.4550, 17.6610,  
36.7044


 115.4803, 97.6456,  
155.8578

 15.7980, 10.7069,  
24.6847


145.7909,  
125.3760, 194.4292

 9.4713, 5.8701,  
15.6254

180.9893,  
157.9146, 238.8909

 5.1094, 2.7663,  
9.1080

221.4407,  
195.6456, 289.6612

 2.3470, 1.0110,  
4.7139

267.5106,

 0.8186, 0.0000,

238.9535, 347.1589

2.0246

319.5642,  
288.2227, 411.8023

■ 0.0000, 0.0000,  
0.5704

■ 0.0000, 0.0000,  
0.0000

■ 50.2209, 39.4589,  
71.2991

■ 50.2209, 39.4589,  
71.2991

■ 46.7733, 33.2029,  
70.2739

■ 54.3141, 46.9987,  
72.5393

■ 43.9309, 28.1521,  
69.4488

■ 59.0830, 55.8845,  
74.0031

■ 41.6544, 24.2273,  
68.8112

■ 64.5601, 66.1809,  
75.7018

■ 39.8986, 21.3381,  
68.3461

■ 70.7749, 77.9467,  
77.6453

■ 38.6111, 19.3796,  
68.0359

■ 77.7551, 91.2375,  
79.8427

■ 37.7286, 18.2251,  
67.8596

■ 78.5269, 92.1052,  
79.9696

■ 37.3029, 17.7685,  
67.7939

■ 78.9861, 92.3420,  
79.9911

■ 79.4494, 92.5808,  
80.0127

■ 79.9168, 92.8218,  
80.0346

# Harmonies

## Analogous

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



43.6319, 39.4589, 91.6012



50.2209, 39.4589, 71.2991



53.4439, 39.4589, 47.1558

# Triad

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



50.2209, 39.4589, 71.2991



38.9409, 39.4589, 13.9143



26.0119, 39.4589, 61.8842

# Complementary

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



50.2209, 39.4589, 71.2991



42.7612, 58.6722, 35.8611

# 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.



25.0985, 39.4589, 39.0283



50.2209, 39.4589, 71.2991



31.9794, 39.4589, 15.5691

# Square

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



50.2209, 39.4589, 71.2991



46.4063, 39.4589, 17.7266



27.1392, 39.4589, 23.3500



29.8207, 39.4589, 85.0352



# Rectangle

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



50.2209, 39.4589, 71.2991



52.9829, 39.4589, 33.7260



27.1392, 39.4589, 23.3500



25.3789, 39.4589, 53.7515

# Sweetspot

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



50.2222, 39.4606, 71.2999



86.8083, 84.4660, 106.3360



35.4136, 33.2436, 70.8804



18.3507, 17.6480, 22.6892



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.



50.2222, 39.4606, 71.2999



68.1577, 49.9616, 100.6590



48.0723, 38.7708, 52.2930



13.5218, 13.2271, 16.4925



22.3855, 10.6643, 40.6170



1.4773, 0.7048, 2.6326



# Inverse Universe

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



44.5452, 37.3599, 33.7192



58.9751, 46.5800, 39.1336



44.5287, 59.2751, 49.8683



13.0920, 13.0659, 13.7459



17.3878, 8.9561, 1.1561



1.1394, 0.5854, 0.1432



# Previews

## White Background



This preview shows how the XYZ color 50.2209, 39.4589, 71.2991 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

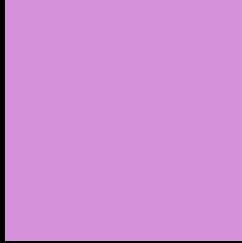
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 50.2209, 39.4589, 71.2991 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

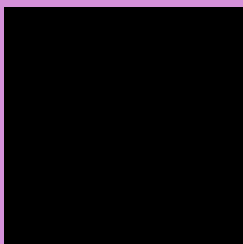
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 50.2209, 39.4589, 71.2991**

## **Background**



This preview shows how black text looks on a background with the XYZ color 50.2209, 39.4589, 71.2991.



This preview shows how white text looks on a background with the XYZ color 50.2209, 39.4589,



# 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

50.2209, 39.4589, 71.2991

### Protanopia

41.0644, 39.9675, 83.3921

### Deuteranopia

40.6741, 39.8089, 69.1585



## Tritanopia

44.1500, 39.3545, 41.8284

# Trichromacy



## Original Color

50.2209, 39.4589, 71.2991



## Protanomaly

43.4150, 39.1684, 78.6708



## Deuteranomaly

43.5487, 39.1838, 69.5579



## Tritanomaly

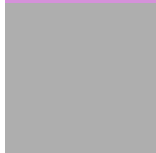
46.2240, 39.2337, 51.5910

# Monochromacy



## Original Color

50.2209, 39.4589, 71.2991



## Achromatopsia

40.2316, 42.3268, 46.0938



## Achromatomaly

43.1305, 40.6035, 54.2792

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 50.2209, 39.4589, 71.2991 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(213, 145, 218)` looks like.

```
.text, #text, p{  
    color:rgb(213, 145, 218)  
}
```

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(213, 145, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(213, 145, 218) }
```

## Border

The CSS property to change the border of an element to XYZ 50.2209, 39.4589, 71.2991 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(213, 145, 218) }
```



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

```
.border{ border-color:rgb(213, 145, 218) }
```

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

Here you see how a box with a 4 pixel rgb(213, 145, 218) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(213, 145, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(213, 145, 218);  
box-shadow:4px 4px 4px 4px rgb(213, 145,  
218) }
```

# Background

The CSS property to change the background color of an element to XYZ 50.2209, 39.4589, 71.2991 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(213, 145, 218) }
```

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

```
.background{ background-color: rgb(213,  
145, 218) }
```

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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