

Converting Colors

XYZ(49.2975, 38.9864, 76.2395)

Have a look what the booklet for
XYZ(49.2975, 38.9864, 76.2395)
contains.

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Color

**XYZ(49.3231, 39.1158,
76.1847)**

Conversions

Conversions Part 1

Format	Color
Hex	CE92E1
RGB	206, 146, 225
RGB Percent	81%, 57%, 88%
CMY	0.1921, 0.4274, 0.1176
CMYK	0.08, 0.35, 0.00, 0.12
HSL	286°, 57%, 73%
HSV	286°, 35%, 88%
XYZ	49.3231, 39.1158, 76.1847
YIQ	172.9460, 10.4010, 37.2890

Conversions

Conversions Part 2

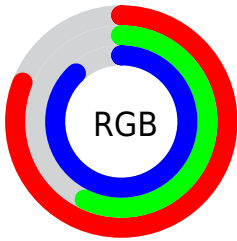
Format	Color
R _Y B	206, 146, 225
Decimal	13538017
CIE Lab	68.84, 36.13, -31.29
CIE LCh	69, 47.794, 319.108
Yxy	39.1158, 0.2996, 0.2376
Android (android.graphics.Color)	4291728097 (0xFFCE92E1)
YUV	172.9460, 25.6626, 28.9884
Hunter-Lab	62.5426, 31.3212, -28.4428

Details

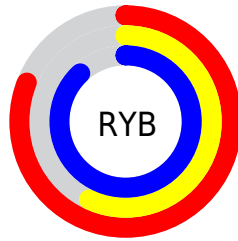
The XYZ color **49.3231, 39.1158, 76.1847** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **47.6318, 63.9261, 37.0244**, and the grayscale version is **39.5638, 41.6242, 45.3287**.

A 20% lighter version of the original color is **80.1766, 70.2533, 103.9422**, and **23.9266, 17.4493, 39.6431** is the 20% darker color. If you saturate the color by 10%, you get **44.7139, 32.0885, 75.0718**, and if you desaturate by 10%, it is **54.6692, 47.5382, 77.5292**.

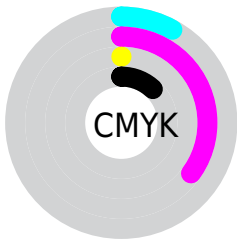
Distribution



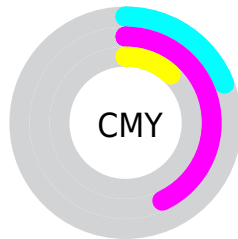
- Red (81%)
- Green (57%)
- Blue (88%)



- Red (81%)
- Yellow (57%)
- Blue (88%)



- Cyan (8%)
- Magenta (35%)
- Yellow (0%)
- Black (12%)





- Cyan (19%)
- Magenta (43%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 49.3231, 39.1158, 76.1847 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 49.3231, 39.1158, 76.1847 by changing the saturation by 10% instead.

 49.3231, 39.1158,
76.1847


 49.3231, 39.1158,
76.1847


374.5088,
342.3826, 501.3434

 35.0914, 26.8498,
56.0764


 88.3690, 73.8152,
129.7504

 23.9002, 17.4605,
39.8598


 113.9139, 97.0174,
164.0450

 15.3839, 10.5633,
27.1163


143.9606,
124.6338, 203.9053

 9.1773, 5.7740,
17.4274

178.8745,
157.0488, 249.7500

 4.9151, 2.7082,
10.3745

219.0209,
194.6468, 301.9977

 2.2318, 0.9813,
5.5391

264.7652,

 0.7594, 0.0000,

237.8121, 361.0667

2.5027

316.4727,
286.9293, 427.3758

■ 0.0000, 0.0000,
0.8416

■ 0.0000, 0.0000,
0.0000

■ 49.3231, 39.1158,
76.1847

■ 49.3231, 39.1158,
76.1847

■ 44.7139, 32.0885,
75.0718

■ 54.6692, 47.5382,
77.5292

■ 40.7968, 26.3704,
74.1746


■ 60.7857, 57.4247,
79.1151


■ 37.5283, 21.8742,
73.4790


■ 67.7086, 68.8459,
80.9548


■ 34.8578, 18.4994,
72.9683


■ 75.4707, 81.8662,
83.0588

 32.7264, 16.1294,
72.6232


 82.9742, 94.2898,
85.0614


 31.0623, 14.6209,
72.4198

 84.7687, 95.2149,
85.1453

 30.3608, 14.0816,
72.3526

 86.6178, 96.1682,
85.2319

 88.5221, 97.1499,
85.3210

 90.4820, 98.1602,
85.4127

Harmonies

Analogous

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



42.1575, 39.1158, 95.4739



49.3231, 39.1158, 76.1847



53.4096, 39.1158, 50.9767

Triad

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



49.3231, 39.1158, 76.1847



40.0017, 39.1158, 13.3406



25.0349, 39.1158, 57.7711

Complementary

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



49.3231, 39.1158, 76.1847



47.6318, 63.9261, 37.0244

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.



24.6219, 39.1158, 35.1784



49.3231, 39.1158, 76.1847



32.6076, 39.1158, 14.0674

Square

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



49.3231, 39.1158, 76.1847



47.5615, 39.1158, 18.1837



27.2113, 39.1158, 20.6888



28.4284, 39.1158, 82.5886

Rectangle

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



49.3231, 39.1158, 76.1847



53.5100, 39.1158, 36.3177



27.2113, 39.1158, 20.6888



24.5620, 39.1158, 49.5469

Sweetspot

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



49.3244, 39.1175, 76.1856



84.3069, 82.1337, 106.0177



39.0370, 38.7306, 76.6531



17.7818, 17.1468, 22.6224



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.



49.3244, 39.1175, 76.1856



61.0146, 45.0663, 100.0906



52.3810, 40.9867, 63.0675



13.9561, 13.7609, 17.3082



17.6047, 8.1709, 41.6976



1.2985, 0.6067, 2.8939

Inverse Universe

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



48.1230, 39.2835, 40.6450



59.4209, 45.4511, 45.5109



45.6406, 62.7064, 45.6560



13.8417, 13.7543, 14.9365



18.3168, 9.3937, 3.0681



1.3045, 0.6651, 0.3964

Previews

White Background



This preview shows how the XYZ color 49.3231, 39.1158, 76.1847 looks on a white background.

Color Contrast Check

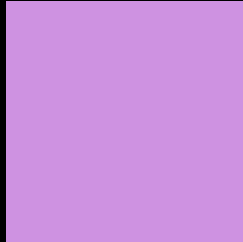
Large Text (above 18pt) WCAG AA × Fail

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 49.3231, 39.1158, 76.1847 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

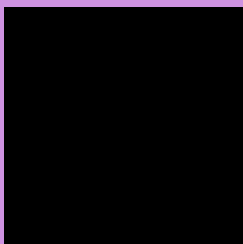
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.3231, 39.1158, 76.1847

Background



This preview shows how black text looks on a background with the XYZ color 49.3231, 39.1158, 76.1847.



This preview shows how white text looks on a background with the XYZ color 49.3231, 39.1158,

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

49.3231, 39.1158, 76.1847

Protanopia

41.0414, 39.5834, 87.9153

Deuteranopia

40.2166, 39.1986, 73.8531



Tritanopia

42.5071, 38.9843, 42.8205

Trichromacy



Original Color

49.3231, 39.1158, 76.1847



Protanomaly

43.3299, 39.0099, 83.8432



Deuteranomaly

42.8672, 38.7263, 74.3228



Tritanomaly

44.6639, 38.8741, 53.2935

Monochromacy



Original Color

49.3231, 39.1158, 76.1847



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

42.6192, 40.3144, 55.4044

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.3231, 39.1158, 76.1847 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(206, 146, 225)` looks like.

```
.text, #text, p{  
    color:rgb(206, 146, 225)  
}
```

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(206, 146, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 146, 225) }
```

Border

The CSS property to change the border of an element to XYZ 49.3231, 39.1158, 76.1847 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(206, 146, 225) }
```


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

```
.border{ border-color:rgb(206, 146, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 146, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 146, 225); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 146, 225); box-shadow:4px 4px 4px 4px rgb(206, 146, 225) }
```

Background

The CSS property to change the background color of an element to XYZ 49.3231, 39.1158, 76.1847 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 146, 225) }
```

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

```
.background{ background-color: rgb(206,  
146, 225) }
```

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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