

Converting Colors

XYZ(48.3831, 39.0990, 78.6865)

Have a look what the booklet for
XYZ(48.3831, 39.0990, 78.6865)
contains.

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Color

**XYZ(48.4129, 39.0606,
78.3866)**

Conversions

Conversions Part 1

Format	Color
Hex	C894E4
RGB	200, 148, 228
RGB Percent	78%, 58%, 89%
CMY	0.2157, 0.4196, 0.1059
CMYK	0.12, 0.35, 0.00, 0.11
HSL	279°, 60%, 74%
HSV	279°, 35%, 89%
XYZ	48.4129, 39.0606, 78.3866
YIQ	172.6680, 5.3120, 35.9040

Conversions

Conversions Part 2

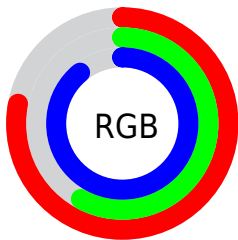
Format	Color
R _{YB}	200, 148, 228
Decimal	13145316
CIE Lab	68.80, 33.81, -33.05
CIE LCh	69, 47.284, 315.654
Yxy	39.0606, 0.2919, 0.2355
Android (android.graphics.Color)	4291335396 (0xFFC894E4)
YUV	172.6680, 27.2787, 23.9702
Hunter-Lab	62.4985, 28.8983, -30.6135

Details

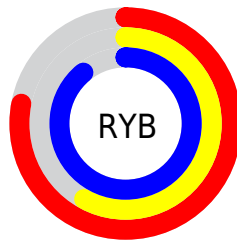
The XYZ color **48.4129, 39.0606, 78.3866** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **50.9944, 66.8560, 38.2355**, and the grayscale version is **39.4164, 41.4692, 45.1599**.

A 20% lighter version of the original color is **80.6459, 71.1919, 104.0986**, and **23.3063, 17.3640, 41.1529** is the 20% darker color. If you saturate the color by 10%, you get **43.1070, 31.5298, 77.2133**, and if you desaturate by 10%, it is **54.5370, 48.0607, 79.8016**.

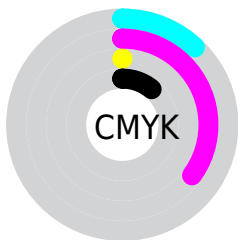
Distribution



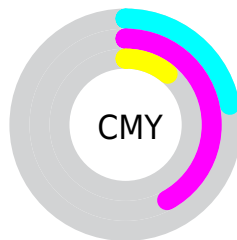
- Red (78%)
- Green (58%)
- Blue (89%)



- Red (78%)
- Yellow (58%)
- Blue (89%)



- Cyan (12%)
- Magenta (35%)
- Yellow (0%)
- Black (11%)





- Cyan (22%)
- Magenta (42%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 48.4129, 39.0606, 78.3866 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 48.4129, 39.0606, 78.3866 by changing the saturation by 10% instead.


 48.4129, 39.0606,
78.3866


 48.4129, 39.0606,
78.3866

370.9818,
342.1481, 509.0414

 34.3666, 26.8069,
57.8733


 87.0248, 73.7309,
132.8858

 23.3396, 17.4282,
41.2928

 112.3212, 96.9162,
167.7087

 14.9665, 10.5403,
28.2265


142.0982,
124.5142, 208.1386

 8.8821, 5.7586,
18.2559

176.7214,
156.9093, 254.5940

 4.7208, 2.6989,
10.9625

216.5560,
194.4858, 307.4935

 2.1175, 0.9766,
5.9278

261.9673,

 0.6987, 0.0000,

237.6282, 367.2555

2.7331

313.3208,
286.7208, 434.2986

■ 0.0000, 0.0000,
0.9600

■ 0.0000, 0.0000,
0.0000

■ 48.4129, 39.0606,
78.3866

■ 48.4129, 39.0606,
78.3866

■ 43.1070, 31.5298,
77.2133

■ 54.5370, 48.0607,
79.8016

■ 38.5721, 25.3794,
76.2651

■ 61.5152, 58.6023,
81.4686

■ 34.7619, 20.5183,
75.5277

■ 69.3858, 70.7587,
83.4002

■ 31.6230, 16.8422,
74.9836

■ 78.1836, 84.5971,
85.6076

■ 29.0934, 14.2298,
74.6126

■ 85.6657, 95.6296,
87.3427

■ 27.0974, 12.5327,
74.3903

■ 88.4334, 97.0564,
87.4722

■ 26.2527, 11.9161,
74.3158

■ 91.0037, 98.3815,
87.5925

Harmonies

Analogous

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



41.1512, 39.0606, 95.9245



48.4129, 39.0606, 78.3866



52.9082, 39.0606, 53.5960

Triad

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



48.4129, 39.0606, 78.3866



40.8117, 39.0606, 13.7699



24.9081, 39.0606, 54.6652

Complementary

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



48.4129, 39.0606, 78.3866



50.9944, 66.8560, 38.2355

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.



24.8429, 39.0606, 33.1033



48.4129, 39.0606, 78.3866



33.3721, 39.0606, 13.8852

Square

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



48.4129, 39.0606, 78.3866



48.1357, 39.0606, 19.3190



27.7456, 39.0606, 19.7155



27.9377, 39.0606, 79.3927

Rectangle

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



48.4129, 39.0606, 78.3866



53.3898, 39.0606, 38.5927



27.7456, 39.0606, 19.7155



24.5540, 39.0606, 46.7271

Sweetspot

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



48.4142, 39.0622, 78.3875



83.2253, 81.5761, 105.9671



42.0059, 43.4751, 79.5770



17.5231, 17.0135, 22.6103



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.



48.4142, 39.0622, 78.3875



57.3928, 43.1992, 99.9211



55.1537, 42.7024, 71.2095



14.4799, 14.3496, 18.1509



15.2920, 6.9492, 42.9185



1.2296, 0.5648, 3.1762

Inverse Universe

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



50.4225, 40.8099, 46.2954



60.6119, 45.9275, 51.7826



46.1866, 64.2753, 42.6232



14.5842, 14.4509, 16.0110



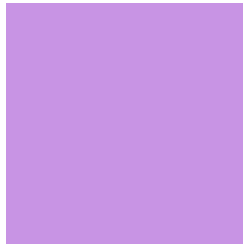
19.3576, 9.8773, 5.5123



1.4732, 0.7470, 0.6324

Previews

White Background



This preview shows how the XYZ color 48.4129, 39.0606, 78.3866 looks on a white background.

Color Contrast Check

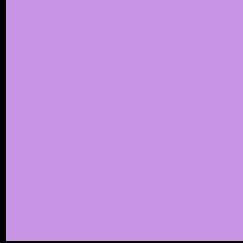
Large Text (above 18pt) WCAG AA × Fail

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 48.4129, 39.0606, 78.3866 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

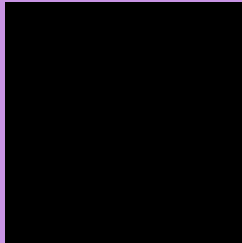
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.4129, 39.0606, 78.3866

Background



This preview shows how black text looks on a background with the XYZ color 48.4129, 39.0606, 78.3866.

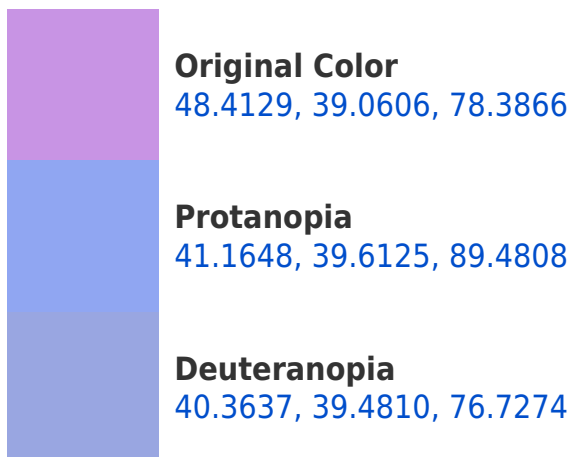


This preview shows how white text looks on a background with the XYZ color 48.4129, 39.0606,

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





Tritanopia

41.3304, 38.8512, 44.3504

Trichromacy



Original Color

48.4129, 39.0606, 78.3866

Protanomaly

42.9940, 38.8032, 85.3445

Deuteranomaly

42.7032, 38.8333, 77.1964

Tritanomaly

43.4839, 38.7178, 55.0506

Monochromacy



Original Color

48.4129, 39.0606, 78.3866

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

42.4295, 40.4685, 56.0270

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4129, 39.0606, 78.3866 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(200, 148, 228)` looks like.

```
.text, #text, p{  
    color:rgb(200, 148, 228)  
}
```

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(200, 148, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(200, 148, 228) }
```

Border

The CSS property to change the border of an element to XYZ 48.4129, 39.0606, 78.3866 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(200, 148, 228) }
```


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

```
.border{ border-color:rgb(200, 148, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(200, 148, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(200, 148, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(200, 148, 228);  
box-shadow:4px 4px 4px 4px rgb(200, 148,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4129, 39.0606, 78.3866 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(200, 148, 228) }
```

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

```
.background{ background-color: rgb(200,  
148, 228) }
```

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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