

Converting Colors

XYZ(46.9692, 39.7918, 63.9485)

Have a look what the booklet for
XYZ(46.9692, 39.7918, 63.9485)
contains.

XYZ(47.0108, 39.8440, 64.2444)	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(47.0108, 39.8440,
64.2444)**

Conversions

Conversions Part 1

Format	Color
Hex	CA99CF
RGB	202, 153, 207
RGB Percent	79%, 60%, 81%
CMY	0.2078, 0.4000, 0.1882
CMYK	0.02, 0.26, 0.00, 0.19
HSL	294°, 36%, 71%
HSV	294°, 26%, 81%
XYZ	47.0108, 39.8440, 64.2444
YIQ	173.8070, 11.8700, 27.1820

Conversions

Conversions Part 2

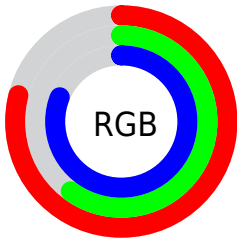
Format	Color
R_{YB}	202, 153, 207
Decimal	13277647
CIE _{Lab}	69.36, 27.49, -20.58
CIE _{LCh}	69, 34.342, 323.188
Yxy	39.8440, 0.3111, 0.2637
Android (android.graphics.Color)	4291467727 (0xFFCA99CF)
YUV	173.8070, 16.3641, 24.7253
Hunter-Lab	63.1221, 22.4759, -16.1587

Details

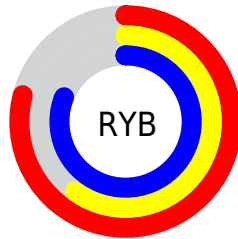
The XYZ color **47.0108, 39.8440, 64.2444** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.1646, 54.1957, 38.3775**, and the grayscale version is **40.0486, 42.1342, 45.8842**.

A 20% lighter version of the original color is **81.8459, 73.5918, 104.4986**, and **22.4361, 17.8103, 32.3922** is the 20% darker color. If you saturate the color by 10%, you get **43.3972, 33.3813, 63.1880**, and if you desaturate by 10%, it is **51.2210, 47.4889, 65.4987**.

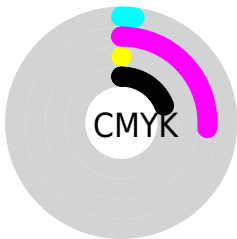
Distribution



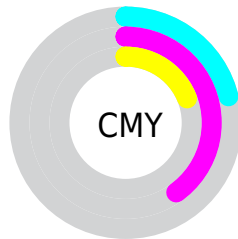
- Red (79%)
- Green (60%)
- Blue (81%)



- Red (79%)
- Yellow (60%)
- Blue (81%)



- Cyan (2%)
- Magenta (26%)
- Yellow (0%)
- Black (19%)





- Cyan (21%)
- Magenta (40%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.0108, 39.8440, 64.2444 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 47.0108, 39.8440, 64.2444 by changing the saturation by 10% instead.


 47.0108, 39.8440,
64.2444


 47.0108, 39.8440,
64.2444


365.5058,
345.4656, 458.3033

 33.2522, 27.4169,
46.4012


 84.9484, 74.9259,
112.5657

 22.4799, 17.8866,
32.2116

 109.8581, 98.3495,
143.8809

 14.3285, 10.8686,
21.2570

139.2155,
126.2075, 180.5238

 8.4327, 5.9785,
13.1189

173.3859,
158.8841, 222.9130

 4.4272, 2.8320,
7.3788

212.7349,
196.7639, 271.4670

 1.9465, 1.0447,
3.6181

257.6276,

 0.6037, 0.0000,

240.2311, 326.6044

1.4183

308.4295,
289.6702, 388.7436

■ 0.0000, 0.0000,
0.1559

■ 0.0000, 0.0000,
0.0000

■ 47.0108, 39.8440,
64.2444

■ 47.0108, 39.8440,
64.2444

■ 43.3972, 33.3813,
63.1880

■ 51.2210, 47.4889,
65.4987

■ 40.3462, 28.0349,
62.3169

■ 56.0523, 56.3672,
66.9577

■ 37.8259, 23.7404,
61.6208

■ 61.5323, 66.5332,
68.6312

■ 35.7997, 20.4246,
61.0876

■ 67.6858, 78.0366,
70.5272

■ 34.2264, 18.0052,
60.7035

■ 74.0544, 89.9604,
72.4931

■ 33.0578, 16.3860,
60.4525

■ 74.6088, 90.2462,
72.5190

■ 32.2340, 15.4467,
60.3147

■ 75.1698, 90.5355,
72.5453

■ 31.9609, 15.1754,
60.2767

■ 75.7374, 90.8281,
72.5719

■ 76.3116, 91.1241,
72.5987

Harmonies

Analogous

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



42.2013, 39.8440, 77.7171



47.0108, 39.8440, 64.2444



49.4063, 39.8440, 47.0865

Triad

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



47.0108, 39.8440, 64.2444



39.1424, 39.8440, 19.6748



28.9351, 39.8440, 56.4740

Complementary

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



47.0108, 39.8440, 64.2444



42.1646, 54.1957, 38.3775

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.



28.2866, 39.8440, 39.8796



47.0108, 39.8440, 64.2444



33.8466, 39.8440, 21.0262

Square

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



47.0108, 39.8440, 64.2444



44.5867, 39.8440, 23.3282



29.9991, 39.8440, 27.6113



31.8651, 39.8440, 72.5235

Rectangle

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



47.0108, 39.8440, 64.2444



49.1621, 39.8440, 36.8169



29.9991, 39.8440, 27.6113



28.4555, 39.8440, 50.6875

Sweetspot

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



47.0120, 39.8457, 64.2453



88.1924, 87.3114, 106.8123



36.6962, 35.8696, 64.0215



18.6171, 18.2098, 22.7836



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.



47.0120, 39.8457, 64.2453



72.1638, 58.1492, 102.0282



45.9239, 39.5693, 51.3391



12.1984, 11.9511, 14.9075



20.1794, 9.5831, 37.9787



1.1605, 0.5524, 2.1250

Inverse Universe

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



43.2963, 38.5182, 37.5024



65.3308, 55.7212, 52.2588



43.1497, 54.4784, 48.5945



11.8526, 11.8258, 12.4994



16.3028, 8.3940, 1.2350



0.9272, 0.4756, 0.1514

Previews

White Background



This preview shows how the XYZ color 47.0108, 39.8440, 64.2444 looks on a white background.

Color Contrast Check

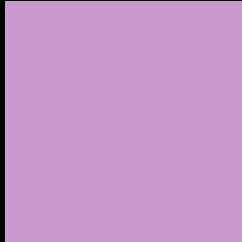
Large Text (above 18pt) WCAG AA × Fail

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 47.0108, 39.8440, 64.2444 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

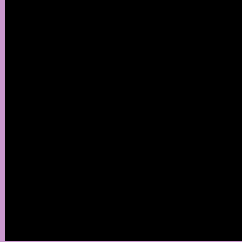
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.0108, 39.8440, 64.2444

Background



This preview shows how black text looks on a background with the XYZ color 47.0108, 39.8440, 64.2444.



This preview shows how white text looks on a background with the XYZ color 47.0108, 39.8440,

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

47.0108, 39.8440, 64.2444

Protanopia

40.4316, 40.1831, 71.2708

Deuteranopia

41.0178, 40.1152, 63.3387



Tritanopia

43.0432, 39.9905, 44.4800

Trichromacy



Original Color

47.0108, 39.8440, 64.2444

Protanomaly

42.3410, 39.8827, 68.4173

Deuteranomaly

42.9415, 39.7697, 63.8056

Tritanomaly

44.3671, 39.7588, 51.2348

Monochromacy



Original Color

47.0108, 39.8440, 64.2444

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.2663, 41.0080, 52.1420

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.0108, 39.8440, 64.2444 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(202, 153, 207)` looks like.

```
.text, #text, p{  
    color:rgb(202, 153, 207)  
}
```

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(202, 153, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 153, 207) }
```

Border

The CSS property to change the border of an element to XYZ 47.0108, 39.8440, 64.2444 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(202, 153, 207) }
```


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

```
.border{ border-color:rgb(202, 153, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 153, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 153, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 153, 207);  
box-shadow:4px 4px 4px 4px rgb(202, 153,  
207) }
```

Background

The CSS property to change the background color of an element to XYZ 47.0108, 39.8440, 64.2444 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 153, 207) }
```

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

```
.background{ background-color: rgb(202,  
153, 207) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor