

Converting Colors

XYZ(48.4505, 39.4815, 61.1120)

Have a look what the booklet for
XYZ(48.4505, 39.4815, 61.1120)
contains.

XYZ(48.4020, 39.4411, 60.9390)	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(48.4020, 39.4411,
60.9390)**

Conversions

Conversions Part 1

Format	Color
Hex	D494CA
RGB	212, 148, 202
RGB Percent	83%, 58%, 79%
CMY	0.1686, 0.4196, 0.2078
CMYK	0.00, 0.30, 0.05, 0.17
HSL	309°, 43%, 71%
HSV	309°, 30%, 83%
XYZ	48.4020, 39.4411, 60.9390
YIQ	173.2920, 20.8100, 30.3620

Conversions

Conversions Part 2

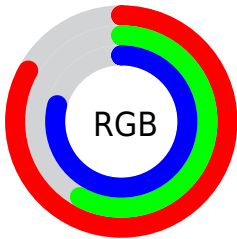
Format	Color
R _Y B	212, 148, 202
Decimal	13931722
CIE Lab	69.07, 32.60, -18.15
CIE LCh	69, 37.312, 330.897
Yxy	39.4411, 0.3253, 0.2651
Android (android.graphics.Color)	4292121802 (0xFFD494CA)
YUV	173.2920, 14.1530, 33.9469
Hunter-Lab	62.8021, 27.6673, -13.5695

Details

The XYZ color **48.4020, 39.4411, 60.9390** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.9294, 55.8528, 40.9208**, and the grayscale version is **39.7931, 41.8654, 45.5914**.

A 20% lighter version of the original color is **80.6459, 71.1919, 104.0986**, and **23.2385, 17.5718, 30.1839** is the 20% darker color. If you saturate the color by 10%, you get **44.9886, 33.2346, 57.8869**, and if you desaturate by 10%, it is **52.4353, 46.8724, 64.2401**.

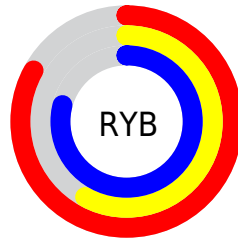
Distribution



Red (83%)

Green (58%)

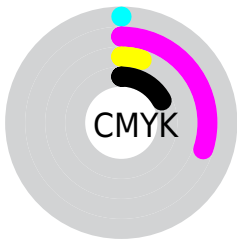
Blue (79%)



Red (83%)

Yellow (58%)

Blue (79%)

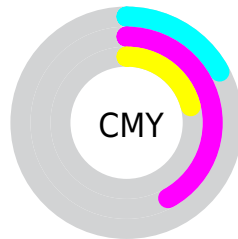


Cyan (0%)

Magenta (30%)

Yellow (5%)

Black (17%)



Cyan (17%)


Magenta (42%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.4020, 39.4411, 60.9390 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 48.4020, 39.4411, 60.9390 by changing the saturation by 10% instead.


 48.4020, 39.4411,
60.9390


 48.4020, 39.4411,
60.9390


370.9395,
343.7622, 445.9507

 34.3579, 27.1030,
43.7457


 87.0087, 74.3117,
107.7473

 23.3329, 17.6506,
30.1349


 112.3021, 97.6130,
138.1993

 14.9615, 10.6995,
19.6881


142.0759,
125.3375, 173.9081

 8.8785, 5.8651,
11.9867

176.6955,
157.8697, 215.2920

 4.7185, 2.7632,
6.6122

216.5264,
195.5938, 262.7697

 2.1161, 1.0094,
3.1460

261.9337,

 0.6980, 0.0000,

238.8944, 316.7597

1.1697

313.2830,
288.1557, 377.6805

■ 0.0000, 0.0000,
0.0000

■ 48.4020, 39.4411,
60.9390

■ 48.4020, 39.4411,
60.9390

■ 44.9886, 33.2346,
57.8869

■ 52.4353, 46.8724,
64.2401

■ 42.1580, 28.1811,
55.0701

■ 57.1155, 55.5848,
67.7982

■ 39.8749, 24.2094,
52.4767


■ 62.4727, 65.6374,
71.6240


■ 38.0988, 21.2382,
50.0931


■ 68.5338, 77.0842,
75.7267


■ 36.7830, 19.1747,
47.9035


■ 75.3243, 89.9759,
80.1152


 35.8727, 17.9089,
45.8892

 76.0803, 90.7846,
82.5349

 35.2756, 17.2468,
44.0503

 76.5285, 90.9639,
84.8951

 76.9854, 91.1467,
87.3014

 77.4512, 91.3330,
89.7543

Harmonies

Analogous

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



43.6764, 39.4411, 77.6537



48.4020, 39.4411, 60.9390



50.1337, 39.4411, 42.4334

Triad

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



48.4020, 39.4411, 60.9390



37.3087, 39.4411, 17.8031



28.5002, 39.4411, 62.0685

Complementary

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



48.4020, 39.4411, 60.9390



41.9294, 55.8528, 40.9208

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.



27.1699, 39.4411, 43.4600



48.4020, 39.4411, 60.9390



31.9129, 39.4411, 20.5137

Square

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



48.4020, 39.4411, 60.9390



43.3336, 39.4411, 20.2017



28.3512, 39.4411, 28.8950



32.1925, 39.4411, 78.4180

Rectangle

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



48.4020, 39.4411, 60.9390



49.2272, 39.4411, 32.2829



28.3512, 39.4411, 28.8950



27.7806, 39.4411, 55.7279

Sweetspot

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



48.4032, 39.4429, 60.9398



87.5886, 85.9925, 103.5909



36.4973, 33.1638, 66.7659



18.5067, 17.9556, 21.9959



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.



48.4032, 39.4429, 60.9398



70.1984, 53.8557, 89.6444



45.0364, 38.0961, 43.2103



12.8658, 12.5978, 15.2333



21.8076, 10.6594, 27.3546



1.3383, 0.6521, 1.7709

Inverse Universe

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



48.4032, 39.4429, 60.9398



70.1984, 53.8557, 89.6444



45.0083, 57.0844, 57.1340



12.8658, 12.5978, 15.2333



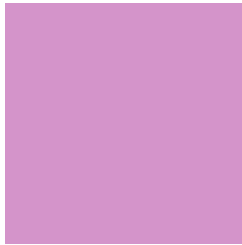
21.8076, 10.6594, 27.3546



1.3383, 0.6521, 1.7709

Previews

White Background



This preview shows how the XYZ color 48.4020, 39.4411, 60.9390 looks on a white background.

Color Contrast Check

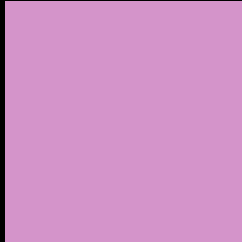
Large Text (above 18pt) WCAG AA × Fail

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 48.4020, 39.4411, 60.9390 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

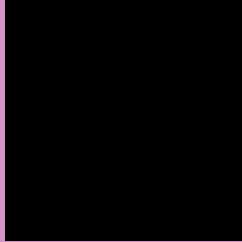
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.4020, 39.4411, 60.9390

Background



This preview shows how black text looks on a background with the XYZ color 48.4020, 39.4411, 60.9390.



This preview shows how white text looks on a background with the XYZ color 48.4020, 39.4411,

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

48.4020, 39.4411, 60.9390

Protanopia

39.9891, 39.7118, 69.8475

Deuteranopia

40.5585, 39.6917, 59.5564



Tritanopia

44.4285, 39.4981, 41.8415

Trichromacy



Original Color

48.4020, 39.4411, 60.9390



Protanomaly

42.3351, 39.1419, 66.2966



Deuteranomaly

43.0732, 39.4055, 59.9794



Tritanomaly

45.7610, 39.3071, 48.3552

Monochromacy



Original Color

48.4020, 39.4411, 60.9390



Achromatopsia

39.7200, 41.7885, 45.5077



Achromatomaly

42.4207, 40.5764, 50.9436

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.4020, 39.4411, 60.9390 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(212, 148, 202)` looks like.

```
.text, #text, p{  
    color:rgb(212, 148, 202)  
}
```

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(212, 148, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 148, 202) }
```

Border

The CSS property to change the border of an element to XYZ 48.4020, 39.4411, 60.9390 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(212, 148, 202) }
```


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

```
.border{ border-color:rgb(212, 148, 202) }
```

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

Here you see how a box with a 4 pixel rgb(212, 148, 202) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 148, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 148, 202);  
box-shadow:4px 4px 4px 4px rgb(212, 148,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 48.4020, 39.4411, 60.9390 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 148, 202) }
```

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

```
.background{ background-color: rgb(212,  
148, 202) }
```

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