

Converting Colors

XYZ(46.2892, 39.6195, 57.5956)

Have a look what the booklet for
XYZ(46.2892, 39.6195, 57.5956)
contains.

XYZ(46.2569, 39.6054, 57.4311)	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(46.2569, 39.6054,
57.4311)**

Conversions

Conversions Part 1

Format	Color
Hex	CC99C4
RGB	204, 153, 196
RGB Percent	80%, 60%, 77%
CMY	0.2000, 0.4000, 0.2314
CMYK	0.00, 0.25, 0.04, 0.20
HSL	309°, 33%, 70%
HSV	309°, 25%, 80%
XYZ	46.2569, 39.6054, 57.4311
YIQ	173.1510, 16.5930, 24.1850

Conversions

Conversions Part 2

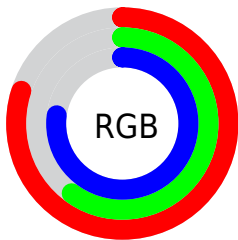
Format	Color
RYB	204, 153, 196
Decimal	13408708
CIELab	69.19, 26.11, -14.72
CIElCh	69, 29.969, 330.584
Yxy	39.6054, 0.3228, 0.2764
Android (android.graphics.Color)	4291598788 (0xFFCC99C4)
YUV	173.1510, 11.2646, 27.0546
Hunter-Lab	62.9328, 21.0687, -10.0538

Details

The XYZ color **46.2569, 39.6054, 57.4311** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.1644, 52.5325, 41.6908**, and the grayscale version is **39.7370, 41.8064, 45.5271**.

A 20% lighter version of the original color is **81.5255, 73.4636, 102.8115**, and **21.9306, 17.6499, 27.8421** is the 20% darker color. If you saturate the color by 10%, you get **42.8391, 33.3459, 54.5140**, and if you desaturate by 10%, it is **50.2557, 47.0131, 60.5811**.

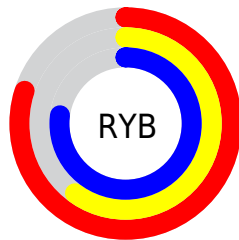
Distribution



Red (80%)

Green (60%)

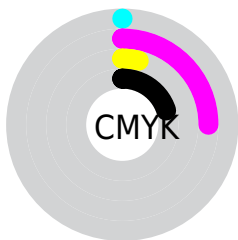
Blue (77%)



Red (80%)

Yellow (60%)

Blue (77%)

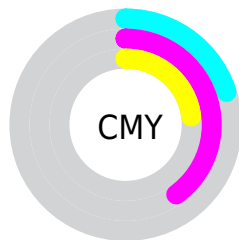


Cyan (0%)

Magenta (25%)

Yellow (4%)

Black (20%)



Cyan (20%)


Magenta (40%)


Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.2569, 39.6054, 57.4311 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 46.2569, 39.6054, 57.4311 by changing the saturation by 10% instead.


 46.2569, 39.6054,
57.4311

 46.2569, 39.6054,
57.4311

362.5392,
344.4576, 432.6016

 32.6541, 27.2310,
40.9398


 83.8289, 74.5623,
102.6005

 22.0195, 17.7468,
27.9527


 108.5287, 97.9135,
132.1157

 13.9879, 10.7684,
18.0513


137.6582,
125.6925, 166.8093

 8.1939, 5.9113,
10.8170

171.5829,
158.2837, 207.0998

 4.2721, 2.7912,
5.8313

210.6679,
196.0714, 253.4057

 1.8572, 1.0237,
2.6756

255.2787,

 0.5518, 0.0000,

239.4400, 306.1456

0.9311

305.7807,
288.7739, 365.7381

■ 0.0000, 0.0000,
0.0000

■ 46.2569, 39.6054,
57.4311

■ 46.2569, 39.6054,
57.4311

■ 42.8391, 33.3459,
54.5140

■ 50.2557, 47.0131,
60.5811

■ 39.9695, 28.1713,
51.8173

■ 54.8589, 55.6177,
63.9707

■ 37.6179, 24.0202,
49.3311

■ 60.0930, 65.4715,
67.6094

■ 35.7492, 20.8228,
47.0436

■ 65.9818, 76.6221,
71.5054

■ 34.3243, 18.5008,
44.9414

■ 72.5462, 89.1111,
75.6658

■ 33.2976, 16.9633,
43.0090

■ 72.9540, 89.2743,
77.8135

■ 32.6138, 16.0994,
41.2278

■ 73.3700, 89.4407,
80.0037

■ 32.3483, 15.8160,
40.3762

■ 73.7940, 89.6103,
82.2364

■ 74.2261, 89.7831,
84.5121

Harmonies

Analogous

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



42.5309, 39.6054, 70.0739



46.2569, 39.6054, 57.4311



47.6330, 39.6054, 42.8550

Triad

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



46.2569, 39.6054, 57.4311



37.5499, 39.6054, 21.7471



30.2533, 39.6054, 57.9971

Complementary

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



46.2569, 39.6054, 57.4311



41.1644, 52.5325, 41.6908

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.



29.1588, 39.6054, 43.3932



46.2569, 39.6054, 57.4311



33.1461, 39.6054, 24.1567

Square

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



46.2569, 39.6054, 57.4311



42.3546, 39.6054, 23.9743



30.1722, 39.6054, 31.4145



33.2958, 39.6054, 70.4465

Rectangle

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



46.2569, 39.6054, 57.4311



46.9485, 39.6054, 34.4927



30.1722, 39.6054, 31.4145



29.6576, 39.6054, 53.0860

Sweetspot

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



46.2581, 39.6071, 57.4319



89.1700, 88.9562, 104.7320



36.9196, 34.6849, 61.8765



18.9828, 18.8469, 22.3421



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.



46.2581, 39.6071, 57.4319



73.4375, 59.7711, 92.4593



43.6309, 38.5563, 43.5974



11.6090, 11.3723, 13.7415



20.3885, 9.9660, 25.5623



1.0727, 0.5225, 1.4286

Inverse Universe

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



46.2581, 39.6071, 57.4319



73.4375, 59.7711, 92.4593



43.6101, 53.5107, 54.5695



11.6090, 11.3723, 13.7415



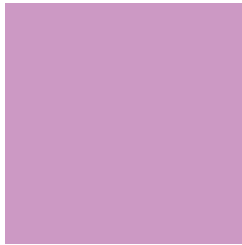
20.3885, 9.9660, 25.5623



1.0727, 0.5225, 1.4286

Previews

White Background



This preview shows how the XYZ color 46.2569, 39.6054, 57.4311 looks on a white background.

Color Contrast Check

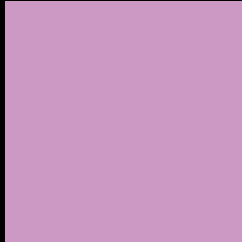
Large Text (above 18pt) WCAG AA × Fail

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 46.2569, 39.6054, 57.4311 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

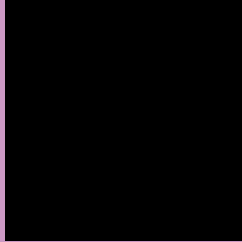
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.2569, 39.6054, 57.4311

Background



This preview shows how black text looks on a background with the XYZ color 46.2569, 39.6054, 57.4311.



This preview shows how white text looks on a background with the XYZ color 46.2569, 39.6054,

57.4311.

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

46.2569, 39.6054, 57.4311

Protanopia

39.8412, 40.0386, 64.0209

Deuteranopia

40.6483, 39.8040, 56.5795



Tritanopia

43.5700, 39.7735, 43.4109

Trichromacy



Original Color

46.2569, 39.6054, 57.4311

Protanomaly

41.8893, 39.8058, 61.3526

Deuteranomaly

42.6028, 39.7442, 57.0557

Tritanomaly

44.3823, 39.5882, 47.9499

Monochromacy



Original Color

46.2569, 39.6054, 57.4311

Achromatopsia

39.7200, 41.7885, 45.5077

Achromatomaly

41.7439, 40.7990, 49.3909

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.2569, 39.6054, 57.4311 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(204, 153, 196)` looks like.

```
.text, #text, p{  
    color:rgb(204, 153, 196)  
}
```

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(204, 153, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 153, 196) }
```

Border

The CSS property to change the border of an element to XYZ 46.2569, 39.6054, 57.4311 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(204, 153, 196) }
```


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

```
.border{ border-color:rgb(204, 153, 196) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 153, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 153, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 153, 196);  
box-shadow:4px 4px 4px 4px rgb(204, 153,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 46.2569, 39.6054, 57.4311 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 153, 196) }
```

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

```
.background{ background-color: rgb(204,  
153, 196) }
```

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