

Converting Colors

XYZ(46.5748, 40.2714, 57.4442)

Have a look what the booklet for
XYZ(46.5748, 40.2714, 57.4442)
contains.

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Color

**XYZ(46.5870, 40.2656,
57.5412)**

Conversions

Conversions Part 1

Format	Color
Hex	CC9BC4
RGB	204, 155, 196
RGB Percent	80%, 61%, 77%
CMY	0.2000, 0.3921, 0.2314
CMYK	0.00, 0.24, 0.04, 0.20
HSL	310°, 32%, 70%
HSV	310°, 24%, 80%
XYZ	46.5870, 40.2656, 57.5412
YIQ	174.3250, 16.0430, 23.1390

Conversions

Conversions Part 2

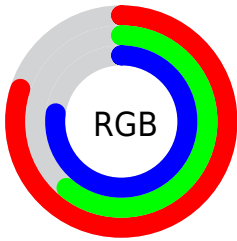
Format	Color
RYB	204, 155, 196
Decimal	13409220
CIELab	69.66, 25.01, -14.01
CIElCh	70, 28.667, 330.742
Yxy	40.2656, 0.3226, 0.2789
Android (android.graphics.Color)	4291599300 (0xFFCC9BC4)
YUV	174.3250, 10.6858, 26.0250
Hunter-Lab	63.4552, 20.0031, -9.3456

Details

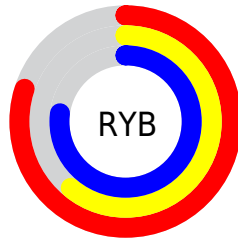
The XYZ color **46.5870, 40.2656, 57.5412** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.7229, 52.7998, 42.6450**, and the grayscale version is **40.3412, 42.4421, 46.2194**.

A 20% lighter version of the original color is **82.0162, 74.4450, 102.9751**, and **22.1272, 18.0431, 27.9076** is the 20% darker color. If you saturate the color by 10%, you get **43.0999, 33.8909, 54.5293**, and if you desaturate by 10%, it is **50.6585, 47.7943, 60.7903**.

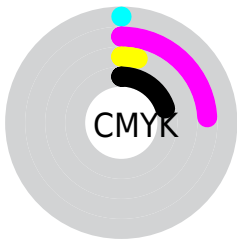
Distribution



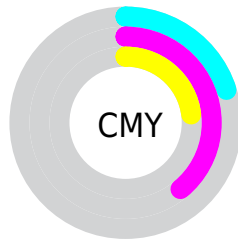
- Red (80%)
- Green (61%)
- Blue (77%)



- Red (80%)
- Yellow (61%)
- Blue (77%)



- Cyan (0%)
- Magenta (24%)
- Yellow (4%)
- Black (20%)





- Cyan (20%)
- Magenta (39%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.5870, 40.2656, 57.5412 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 46.5870, 40.2656, 57.5412 by changing the saturation by 10% instead.


 46.5870, 40.2656,
57.5412


 46.5870, 40.2656,
57.5412


363.8401,
347.2418, 433.0246

 32.9159, 27.7457,
41.0277

 84.3193, 75.5678,
102.7626

 22.2209, 18.1340,
28.0208


 109.1112, 99.1189,
132.3075

 14.1368, 11.0463,
18.1022


138.3407,
127.1158, 167.0334

 8.2982, 6.0980,
10.8532

172.3732,
159.9429, 207.3586

 4.3398, 2.9047,
5.8553

211.5740,
197.9847, 253.7018

 1.8961, 1.0822,
2.6899

256.3085,

 0.5746, 0.0000,

241.6255, 306.4815

0.9383

306.9421,
291.2497, 366.1163

0.0000, 0.0000,
0.0000

46.5870, 40.2656,
57.5412

46.5870, 40.2656,
57.5412

43.0999, 33.8909,
54.5293

50.6585, 47.7943,
60.7903

40.1647, 28.6072,
51.7421

55.3375, 56.5252,
64.2834

37.7513, 24.3537,
49.1699

60.6504, 66.5104,
68.0298

35.8250, 21.0614,
46.8008

66.6211, 77.7971,
72.0377

34.3472, 18.6528,
44.6217

72.6287, 89.1442,
76.1005

■ 33.2731, 17.0386,
42.6173

■ 73.0551, 89.3147,
78.3458

■ 32.5484, 16.1104,
40.7693

■ 73.4902, 89.4888,
80.6370

■ 32.2235, 15.7661,
39.7189

■ 73.9341, 89.6663,
82.9745

■ 74.3868, 89.8474,
85.3585

Harmonies

Analogous

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



43.0112, 40.2656, 69.6490



46.5870, 40.2656, 57.5412



47.8947, 40.2656, 43.5127

Triad

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



46.5870, 40.2656, 57.5412



38.1560, 40.2656, 22.9487



31.1095, 40.2656, 58.2302

Complementary

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



46.5870, 40.2656, 57.5412



41.7229, 52.7998, 42.6450

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.



30.0318, 40.2656, 44.1737



46.5870, 40.2656, 57.5412



33.8930, 40.2656, 25.3570

Square

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



46.5870, 40.2656, 57.5412



42.7955, 40.2656, 25.1283



31.0091, 40.2656, 32.5110



34.0776, 40.2656, 70.1000

Rectangle

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



46.5870, 40.2656, 57.5412



47.2277, 40.2656, 35.4081



31.0091, 40.2656, 32.5110



30.5254, 40.2656, 53.5198

Sweetspot

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



46.5882, 40.2674, 57.5421



89.1519, 88.9490, 104.6365



37.5937, 35.5225, 62.0026



18.9786, 18.8452, 22.3199



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.



46.5882, 40.2674, 57.5421



73.9404, 60.7946, 92.5724



44.0854, 39.2663, 44.3627



11.6058, 11.3711, 13.7248



20.3108, 9.9349, 25.1532



1.0694, 0.5211, 1.4111

Inverse Universe

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



46.5882, 40.2674, 57.5421



73.9404, 60.7946, 92.5724



44.0655, 53.7369, 54.9807



11.6058, 11.3711, 13.7248



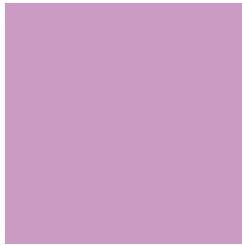
20.3108, 9.9349, 25.1532



1.0694, 0.5211, 1.4111

Previews

White Background



This preview shows how the XYZ color 46.5870, 40.2656, 57.5412 looks on a white background.

Color Contrast Check

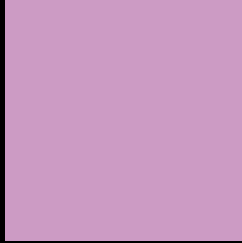
Large Text (above 18pt) WCAG AA × Fail

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 46.5870, 40.2656, 57.5412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

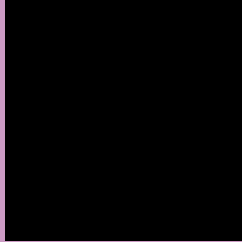
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.5870, 40.2656, 57.5412

Background



This preview shows how black text looks on a background with the XYZ color 46.5870, 40.2656, 57.5412.



This preview shows how white text looks on a background with the XYZ color 46.5870, 40.2656,

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

46.5870, 40.2656, 57.5412

Protanopia

40.3117, 40.5702, 63.4638

Deuteranopia

41.2783, 40.3976, 56.6608



Tritanopia

43.9319, 40.1923, 44.4722

Trichromacy



Original Color

46.5870, 40.2656, 57.5412

Protanomaly

42.2962, 40.2802, 61.4227

Deuteranomaly

43.0204, 40.2199, 57.1256

Tritanomaly

44.9245, 40.3465, 49.1359

Monochromacy



Original Color

46.5870, 40.2656, 57.5412

Achromatopsia

40.2316, 42.3268, 46.0938

Achromatomaly

42.2698, 41.3291, 50.0054

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.5870, 40.2656, 57.5412 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, 155, 196)` looks like.

```
.text, #text, p{  
    color:rgb(204, 155, 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, 155, 196) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 155, 196) }
```

Border

The CSS property to change the border of an element to XYZ 46.5870, 40.2656, 57.5412 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, 155, 196) }
```


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

```
.border{ border-color:rgb(204, 155, 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, 155, 196)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 155, 196); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 155, 196);  
box-shadow:4px 4px 4px 4px rgb(204, 155,  
196) }
```

Background

The CSS property to change the background color of an element to XYZ 46.5870, 40.2656, 57.5412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 155, 196) }
```

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

```
.background{ background-color: rgb(204,  
155, 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](#).

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