

Converting Colors

XYZ(50.9539, 46.2873, 64.4720)

Have a look what the booklet for
XYZ(50.9539, 46.2873, 64.4720)
contains.

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Color

**XYZ(50.9689, 46.3275,
64.6483)**

Conversions

Conversions Part 1

Format	Color
Hex	CEAACE
RGB	206, 170, 206
RGB Percent	81%, 67%, 81%
CMY	0.1922, 0.3333, 0.1922
CMYK	0.00, 0.17, 0.00, 0.19
HSL	300°, 27%, 74%
HSV	300°, 17%, 81%
XYZ	50.9689, 46.3275, 64.6483
YIQ	184.8680, 9.9000, 18.8280

Conversions

Conversions Part 2

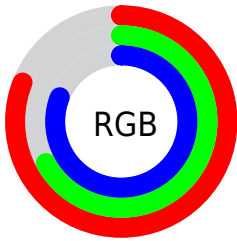
Format	Color
R _Y B	206, 170, 206
Decimal	13544142
CIE Lab	73.76, 19.33, -13.34
CIE LCh	74, 23.490, 325.385
Yxy	46.3275, 0.3147, 0.2861
Android (android.graphics.Color)	4291734222 (0xFFCEAAACE)
YUV	184.8680, 10.4181, 18.5328
Hunter-Lab	68.0643, 14.5544, -8.6693

Details

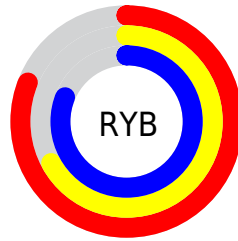
The XYZ color **50.9689, 46.3275, 64.6483** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **45.9064, 55.5923, 46.3435**, and the grayscale version is **45.9820, 48.3766, 52.6822**.

A 20% lighter version of the original color is **86.2152, 82.3304, 105.9551**, and **24.9084, 21.8032, 32.6014** is the 20% darker color. If you saturate the color by 10%, you get **47.4062, 39.2014, 63.4612**, and if you desaturate by 10%, it is **55.1394, 54.6678, 66.0391**.

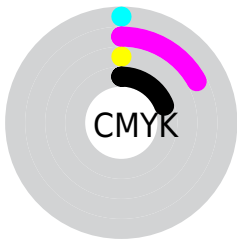
Distribution



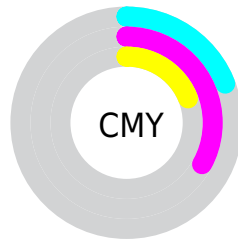
- Red (81%)
- Green (67%)
- Blue (81%)



- Red (81%)
- Yellow (67%)
- Blue (81%)



- Cyan (0%)
- Magenta (17%)
- Yellow (0%)
- Black (19%)




- Cyan (19%)
- Magenta (33%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 50.9689, 46.3275, 64.6483 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 50.9689, 46.3275, 64.6483 by changing the saturation by 10% instead.


 50.9689, 46.3275,
64.6483


 50.9689, 46.3275,
64.6483


380.8326,
372.1237, 459.7986

 36.4048, 32.5043,
46.7264


 90.7921, 84.7089,
113.1525

 24.9185, 21.7470,
32.4666

 116.7818,
110.0360, 144.5719

 16.1448, 13.6711,
21.4504


147.3109,
139.9664, 181.3276

 9.7182, 7.8923,
13.2592

182.7446,
174.8847, 223.8380

 5.2733, 4.0261,
7.4744

223.4482,
215.1752, 272.5218

 2.4449, 1.6882,
3.6776

269.7872,

 0.8676, 0.4160,

261.2222, 327.7975

1.4502

322.1269,
313.4103, 390.0836

■ 0.0000, 0.0000,
0.1804

■ 0.0000, 0.0000,
0.0000

■ 50.9689, 46.3275,
64.6483

■ 50.9689, 46.3275,
64.6483

■ 47.4062, 39.2014,
63.4612

■ 55.1394, 54.6678,
66.0391

■ 44.4192, 33.2273,
62.4655

■ 59.9399, 64.2688,
67.6393

■ 41.9788, 28.3465,
61.6519

■ 65.3965, 75.1819,
69.4582

■ 40.0519, 24.4929,
61.0096

■ 71.5325, 87.4539,
71.5036

38.6020, 21.5931,
60.5262

72.3547, 89.0983,
71.7778

37.5874, 19.5640,
60.1879

72.3548, 89.0983,
71.7779

36.9596, 18.3084,
59.9786

72.3548, 89.0983,
71.7779

36.6511, 17.6912,
59.8757

72.3548, 89.0983,
71.7780

36.5946, 17.5782,
59.8568

72.3548, 89.0983,
71.7781

Harmonies

Analogous

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



47.5615, 46.3275, 74.1706



50.9689, 46.3275, 64.6483



52.5208, 46.3275, 52.3135

Triad

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



50.9689, 46.3275, 64.6483



44.6814, 46.3275, 30.8367



37.1771, 46.3275, 60.9446

Complementary

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



50.9689, 46.3275, 64.6483



45.9064, 55.5923, 46.3435

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.



36.5126, 46.3275, 48.6172



50.9689, 46.3275, 64.6483



40.6833, 46.3275, 32.4065

Square

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



50.9689, 46.3275, 64.6483



48.7479, 46.3275, 33.8020



37.7565, 46.3275, 38.4874



39.6322, 46.3275, 71.8064

Rectangle

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



50.9689, 46.3275, 64.6483



52.2274, 46.3275, 44.5909



37.7565, 46.3275, 38.4874



36.7438, 46.3275, 56.7855

Sweetspot

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



50.9703, 46.3295, 64.6493



91.1166, 92.1332, 107.5888



42.0949, 41.7541, 64.2341



19.3889, 19.4928, 22.9905



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.



50.9703, 46.3295, 64.6493



80.2817, 70.4634, 103.9770



48.9070, 45.5042, 53.7842



11.6876, 11.4038, 14.1555



22.5335, 10.8240, 36.8574



1.1625, 0.5584, 1.9014

Inverse Universe

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



50.9703, 46.3295, 64.6493



80.2817, 70.4634, 103.9770



47.7276, 56.3208, 55.9341



11.6876, 11.4038, 14.1555



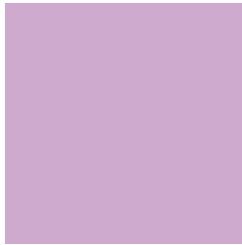
22.5335, 10.8240, 36.8574



1.1625, 0.5584, 1.9014

Previews

White Background



This preview shows how the XYZ color 50.9689, 46.3275, 64.6483 looks on a white background.

Color Contrast Check

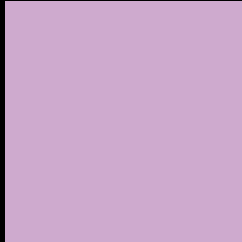
Large Text (above 18pt) WCAG AA × Fail

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 50.9689, 46.3275, 64.6483 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 50.9689, 46.3275, 64.6483

Background



This preview shows how black text looks on a background with the XYZ color 50.9689, 46.3275, 64.6483.



This preview shows how white text looks on a background with the XYZ color 50.9689, 46.3275,

64.6483.

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

50.9689, 46.3275, 64.6483

Protanopia

45.8841, 46.5099, 68.8463

Deuteranopia

47.4806, 46.5434, 64.2389



Tritanopia

48.5418, 46.1715, 53.3673

Trichromacy



Original Color

50.9689, 46.3275, 64.6483

Protanomaly

47.4079, 46.1429, 67.3806

Deuteranomaly

48.6612, 46.2820, 64.1262

Tritanomaly

49.3920, 46.2375, 57.3604

Monochromacy



Original Color

50.9689, 46.3275, 64.6483

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

47.9392, 47.8302, 57.1576

CSS Examples

Text

The CSS property to change the color of the text to XYZ 50.9689, 46.3275, 64.6483 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(206, 170, 206)` looks like.

```
.text, #text, p{  
    color:rgb(206, 170, 206)  
}
```

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(206, 170, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 170, 206) }
```

Border

The CSS property to change the border of an element to XYZ 50.9689, 46.3275, 64.6483 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(206, 170, 206) }
```


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

```
.border{ border-color:rgb(206, 170, 206) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 170, 206)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(206, 170, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(206, 170, 206);  
box-shadow:4px 4px 4px 4px rgb(206, 170,  
206) }
```

Background

The CSS property to change the background color of an element to XYZ 50.9689, 46.3275, 64.6483 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 170, 206) }
```

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

```
.background{ background-color: rgb(206,  
170, 206) }
```

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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