

Converting Colors

XYZ(49.9157, 46.9694, 66.8945)

Have a look what the booklet for
XYZ(49.9157, 46.9694, 66.8945)
contains.

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Color

**XYZ(49.9334, 46.8813,
66.7388)**

Conversions

Conversions Part 1

Format	Color
Hex	C6AED1
RGB	198, 174, 209
RGB Percent	78%, 68%, 82%
CMY	0.2235, 0.3176, 0.1804
CMYK	0.05, 0.17, 0.00, 0.18
HSL	281°, 28%, 75%
HSV	281°, 17%, 82%
XYZ	49.9334, 46.8813, 66.7388
YIQ	185.1660, 3.0690, 15.9730

Conversions

Conversions Part 2

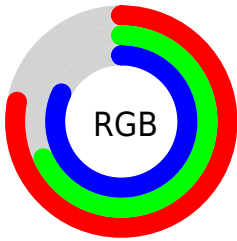
Format	Color
R _{YB}	198, 174, 209
Decimal	13020881
CIE Lab	74.11, 15.03, -14.52
CIE LCh	74, 20.897, 315.978
Yxy	46.8813, 0.3053, 0.2866
Android (android.graphics.Color)	4291210961 (0xFFC6AED1)
YUV	185.1660, 11.7502, 11.2554
Hunter-Lab	68.4699, 10.3532, -9.8620

Details

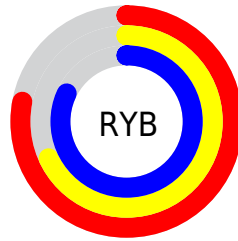
The XYZ color **49.9334, 46.8813, 66.7388** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **50.4496, 58.9724, 48.7705**, and the grayscale version is **46.1431, 48.5461, 52.8667**.

A 20% lighter version of the original color is **87.5868, 85.0736, 106.4123**, and **24.3775, 22.2149, 34.0134** is the 20% darker color. If you saturate the color by 10%, you get **44.5120, 38.5527, 65.4177**, and if you desaturate by 10%, it is **56.0610, 56.5091, 68.2749**.

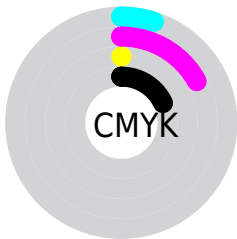
Distribution



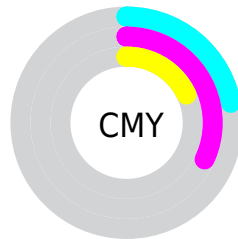
- Red (78%)
- Green (68%)
- Blue (82%)



- Red (78%)
- Yellow (68%)
- Blue (82%)



- Cyan (5%)
- Magenta (17%)
- Yellow (0%)
- Black (18%)



- Cyan (22%)
- Magenta (32%)
- Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.9334, 46.8813, 66.7388 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 49.9334, 46.8813, 66.7388 by changing the saturation by 10% instead.

■ 49.9334, 46.8813,
66.7388

■ 49.9334, 46.8813,
66.7388

376.8617,
374.3405, 467.4906

■ 35.5781, 32.9418,
48.4121

■ 89.2686, 85.5364,
116.1831

■ 24.2771, 22.0819,
33.7911

114.9792,
111.0208, 148.1379

■ 15.6651, 13.9171,
22.4571

145.2056,
141.1224, 185.4724

■ 9.3769, 8.0630,
13.9916

180.3131,
176.2254, 228.6053

■ 5.0469, 4.1353,
7.9761

220.6671,
216.7144, 277.9550

■ 2.3098, 1.7495,
3.9921

266.6330,

■ 0.7997, 0.4554,

262.9736, 333.9401

1.6210

318.5761,
315.3875, 396.9791

■ 0.0000, 0.0000,
0.3058

■ 0.0000, 0.0000,
0.0000

■ 49.9334, 46.8813,
66.7388

■ 49.9334, 46.8813,
66.7388

■ 44.5120, 38.5527,
65.4177

■ 56.0610, 56.5091,
68.2749

■ 39.7626, 31.4589,
64.2987

■ 62.9185, 67.4846,
70.0320

■ 35.6544, 25.5388,
63.3726

■ 70.5338, 79.8615,
72.0196

■ 32.1524, 20.7239,
62.6278

■ 78.0952, 92.0151,
73.9669

■ 29.2179, 16.9383,
62.0517

■ 80.1740, 93.0868,
74.0642

■ 26.8072, 14.0961,
61.6302

■ 82.3324, 94.1995,
74.1652

■ 24.8697, 12.0974,
61.3465

■ 84.5712, 95.3536,
74.2700

■ 23.3393, 10.8120,
61.1791

■ 86.8913, 96.5497,
74.3786

■ 22.8907, 10.4711,
61.1369

■ 88.5088, 97.3835,
74.4543

Harmonies

Analogous

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



46.5684, 46.8813, 73.5177



49.9334, 46.8813, 66.7388



51.9074, 46.8813, 56.2006

Triad

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



49.9334, 46.8813, 66.7388



46.3246, 46.8813, 33.5568



37.9967, 46.8813, 56.9280

Complementary

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



49.9334, 46.8813, 66.7388



50.4496, 58.9724, 48.7705

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.



37.9396, 46.8813, 46.2162



49.9334, 46.8813, 66.7388



42.6087, 46.8813, 33.6946

Square

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



49.9334, 46.8813, 66.7388



49.7463, 46.8813, 37.6213



39.5853, 46.8813, 38.0284



39.7459, 46.8813, 67.3351

Rectangle

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



49.9334, 46.8813, 66.7388



52.1016, 46.8813, 48.9305



39.5853, 46.8813, 38.0284



37.7824, 46.8813, 53.2211

Sweetspot

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



49.9348, 46.8833, 66.7398



89.6576, 91.3811, 107.5206



46.3324, 48.3369, 67.2103



19.0333, 19.3094, 22.9739



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.



49.9348, 46.8833, 66.7398



75.2297, 68.7514, 103.9131



52.1618, 48.1213, 62.7801



11.9343, 11.8150, 14.8952



14.2194, 6.5106, 37.6997



0.8750, 0.4053, 2.1117

Inverse Universe

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



50.1890, 47.3322, 52.3918



75.7550, 69.6146, 77.1746



48.5384, 57.9131, 52.0250



11.9596, 11.8686, 13.0631



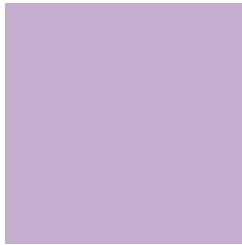
16.8526, 8.6139, 4.1300



0.9780, 0.4959, 0.4190

Previews

White Background



This preview shows how the XYZ color 49.9334, 46.8813, 66.7388 looks on a white background.

Color Contrast Check

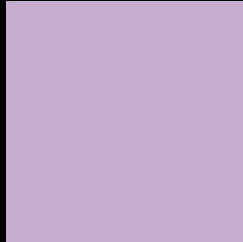
Large Text (above 18pt) WCAG AA × Fail

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 49.9334, 46.8813, 66.7388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

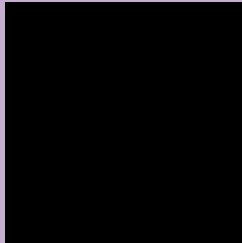
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 49.9334, 46.8813, 66.7388

Background



This preview shows how black text looks on a background with the XYZ color 49.9334, 46.8813, 66.7388.



This preview shows how white text looks on a background with the XYZ color 49.9334, 46.8813,

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

49.9334, 46.8813, 66.7388

Protanopia

46.4386, 47.0819, 69.5909

Deuteranopia

48.0446, 47.0862, 66.2308



Tritanopia

47.6318, 46.8080, 55.8146

Trichromacy



Original Color

49.9334, 46.8813, 66.7388

Protanomaly

47.5712, 46.7846, 68.8104

Deuteranomaly

48.8455, 47.2048, 66.2115

Tritanomaly

48.4833, 46.8636, 59.9163

Monochromacy



Original Color

49.9334, 46.8813, 66.7388

Achromatopsia

46.1135, 48.5150, 52.8328

Achromatomaly

47.4967, 47.8899, 57.7793

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.9334, 46.8813, 66.7388 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(198, 174, 209)` looks like.

```
.text, #text, p{  
    color:rgb(198, 174, 209)  
}
```

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(198, 174, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 174, 209) }
```

Border

The CSS property to change the border of an element to XYZ 49.9334, 46.8813, 66.7388 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(198, 174, 209) }
```


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

```
.border{ border-color:rgb(198, 174, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 174, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 174, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 174, 209);  
box-shadow:4px 4px 4px 4px rgb(198, 174,  
209) }
```

Background

The CSS property to change the background color of an element to XYZ 49.9334, 46.8813, 66.7388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 174, 209) }
```

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

```
.background{ background-color: rgb(198,  
174, 209) }
```

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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