

Converting Colors

XYZ(49.1741, 46.2013, 64.3005)

Have a look what the booklet for
XYZ(49.1741, 46.2013, 64.3005)
contains.

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Color

**XYZ(49.2517, 46.3007,
64.0987)**

Conversions

Conversions Part 1

Format	Color
Hex	C6ADCD
RGB	198, 173, 205
RGB Percent	78%, 68%, 80%
CMY	0.2235, 0.3216, 0.1961
CMYK	0.03, 0.16, 0.00, 0.20
HSL	287°, 24%, 74%
HSV	287°, 16%, 80%
XYZ	49.2517, 46.3007, 64.0987
YIQ	184.1230, 4.6280, 15.2520

Conversions

Conversions Part 2

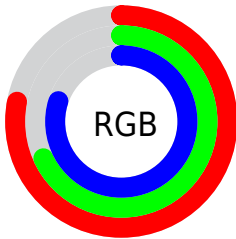
Format	Color
R _{YB}	198, 173, 205
Decimal	13020621
CIE Lab	73.74, 14.79, -12.90
CIE LCh	74, 19.624, 318.919
Yxy	46.3007, 0.3085, 0.2900
Android (android.graphics.Color)	4291210701 (0xFFC6ADCD)
YUV	184.1230, 10.2924, 12.1701
Hunter-Lab	68.0446, 10.1229, -8.2205

Details

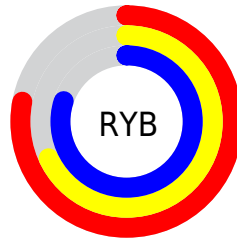
The XYZ color **49.2517, 46.3007, 64.0987** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **48.1983, 56.3843, 47.8804**, and the grayscale version is **45.5722, 47.9455, 52.2127**.

A 20% lighter version of the original color is **87.0334, 83.9668, 106.2278**, and **23.9249, 21.8384, 32.2324** is the 20% darker color. If you saturate the color by 10%, you get **44.4541, 38.4339, 62.8338**, and if you desaturate by 10%, it is **54.6902, 55.3958, 65.5683**.

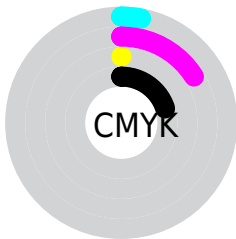
Distribution



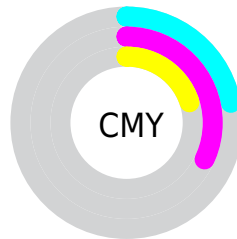
- Red (78%)
- Green (68%)
- Blue (80%)



- Red (78%)
- Yellow (68%)
- Blue (80%)



- Cyan (3%)
- Magenta (16%)
- Yellow (0%)
- Black (20%)



- Cyan (22%)
- Magenta (32%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 49.2517, 46.3007, 64.0987 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 49.2517, 46.3007, 64.0987 by changing the saturation by 10% instead.

■ 49.2517, 46.3007,
64.0987

■ 49.2517, 46.3007,
64.0987

374.2329,
372.0162, 457.7632

■ 35.0345, 32.4832,
46.2839

■ 88.2636, 84.6688,
112.3539

■ 23.8561, 21.7308,
32.1196

113.7891,
109.9882, 143.6314

■ 15.3511, 13.6592,
21.1873

143.8148,
139.9104, 180.2336

■ 9.1541, 7.8841,
13.0684

178.7060,
174.8197, 222.5789

■ 4.8997, 4.0208,
7.3444

218.8280,
215.1005, 271.0861

■ 2.2227, 1.6852,
3.5967

264.5463,

■ 0.7547, 0.4141,

261.1373, 326.1734

1.4068

316.2261,
313.3144, 388.2596

■ 0.0000, 0.0000,
0.1470

■ 0.0000, 0.0000,
0.0000

■ 49.2517, 46.3007,
64.0987

■ 49.2517, 46.3007,
64.0987

■ 44.4541, 38.4339,
62.8338

■ 54.6902, 55.3958,
65.5683

■ 40.2656, 31.7344,
61.7614

■ 60.7913, 65.7646,
67.2481

■ 36.6577, 26.1451,
60.8728

■ 67.5810, 77.4577,
69.1472

■ 33.5979, 21.6015,
60.1570

■ 75.0808, 90.5177,
71.2728

■ 31.0505, 18.0324,
59.6024

■ 76.4236, 91.2099,
71.3356

■ 28.9752, 15.3577,
59.1955

■ 77.8028, 91.9209,
71.4002

■ 27.3251, 13.4843,
58.9209

■ 79.2187, 92.6508,
71.4664

■ 26.0427, 12.2976,
58.7594

■ 80.6716, 93.3998,
71.5344

■ 25.5475, 11.8973,
58.7082

■ 82.1618, 94.1680,
71.6042

Harmonies

Analogous

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



46.2150, 46.3007, 70.8240



49.2517, 46.3007, 64.0987



50.9132, 46.3007, 54.1911

Triad

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



49.2517, 46.3007, 64.0987



45.3074, 46.3007, 33.8348



37.9705, 46.3007, 56.8922

Complementary

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



49.2517, 46.3007, 64.0987



48.1983, 56.3843, 47.8804

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.



37.7562, 46.3007, 46.8158



49.2517, 46.3007, 64.0987



41.8713, 46.3007, 34.3576

Square

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



49.2517, 46.3007, 64.0987



48.5572, 46.3007, 37.2927



39.1493, 46.3007, 38.8297



39.7511, 46.3007, 66.2992

Rectangle

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



49.2517, 46.3007, 64.0987



50.9616, 46.3007, 47.4978



39.1493, 46.3007, 38.8297



37.7166, 46.3007, 53.4463

Sweetspot

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



49.2531, 46.3027, 64.0997



90.0978, 91.6080, 107.5412



44.6706, 46.1254, 64.3070



19.1405, 19.3647, 22.9789



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.



49.2531, 46.3027, 64.0997



77.7014, 70.9328, 104.2038



50.1389, 46.8751, 58.9099



11.4381, 11.2751, 14.1438



15.9878, 7.4496, 36.5515



0.8859, 0.4158, 1.8885

Inverse Universe

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



48.3603, 46.1637, 49.5440



75.9878, 70.6854, 75.3861



47.4619, 55.9062, 52.2950



11.3111, 11.2532, 12.1730



15.9960, 8.2090, 2.4314



0.8544, 0.4352, 0.2793

Previews

White Background



This preview shows how the XYZ color 49.2517, 46.3007, 64.0987 looks on a white background.

Color Contrast Check

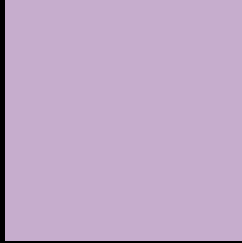
Large Text (above 18pt) WCAG AA × Fail

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 49.2517, 46.3007, 64.0987 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

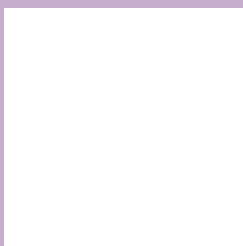
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 49.2517, 46.3007, 64.0987

Background



This preview shows how black text looks on a background with the XYZ color 49.2517, 46.3007, 64.0987.



This preview shows how white text looks on a background with the XYZ color 49.2517, 46.3007,

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

49.2517, 46.3007, 64.0987

Protanopia

45.7344, 46.4761, 66.8819

Deuteranopia

47.3603, 46.4953, 63.6051



Tritanopia

47.4756, 46.4606, 54.6097

Trichromacy



Original Color

49.2517, 46.3007, 64.0987

Protanomaly

46.8745, 46.1887, 66.1193

Deuteranomaly

48.1626, 46.6168, 63.5862

Tritanomaly

48.2063, 46.4704, 58.0587

Monochromacy



Original Color

49.2517, 46.3007, 64.0987

Achromatopsia

45.5594, 47.9320, 52.1980

Achromatomaly

46.8220, 47.2671, 56.5249

CSS Examples

Text

The CSS property to change the color of the text to XYZ 49.2517, 46.3007, 64.0987 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, 173, 205)` looks like.

```
.text, #text, p{  
    color:rgb(198, 173, 205)  
}
```

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, 173, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 173, 205) }
```

Border

The CSS property to change the border of an element to XYZ 49.2517, 46.3007, 64.0987 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, 173, 205) }
```


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

```
.border{ border-color:rgb(198, 173, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(198, 173, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 173, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 173, 205);  
box-shadow:4px 4px 4px 4px rgb(198, 173,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 49.2517, 46.3007, 64.0987 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 173, 205) }
```

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

```
.background{ background-color: rgb(198,  
173, 205) }
```

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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