

Converting Colors

XYZ(48.1863, 41.0605, 66.5198)

Have a look what the booklet for
XYZ(48.1863, 41.0605, 66.5198)
contains.

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Color

**XYZ(48.1499, 41.1266,
66.3732)**

Conversions

Conversions Part 1

Format	Color
Hex	CB9CD2
RGB	203, 156, 210
RGB Percent	80%, 61%, 82%
CMY	0.2039, 0.3882, 0.1765
CMYK	0.03, 0.26, 0.00, 0.18
HSL	292°, 37%, 72%
HSV	292°, 26%, 82%
XYZ	48.1499, 41.1266, 66.3732
YIQ	176.2090, 10.6780, 26.7580

Conversions

Conversions Part 2

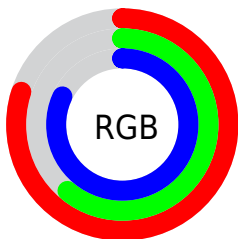
Format	Color
RYB	203, 156, 210
Decimal	13343954
CIELab	70.26, 26.76, -20.85
CIELCh	70, 33.920, 322.075
Yxy	41.1266, 0.3093, 0.2642
Android (android.graphics.Color)	4291534034 (0xFFFCB9CD2)
YUV	176.2090, 16.6590, 23.4957
Hunter-Lab	64.1300, 21.7933, -16.4729

Details

The XYZ color **48.1499, 41.1266, 66.3732** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.1531, 56.2811, 39.9908**, and the grayscale version is **41.2888, 43.4391, 47.3052**.

A 20% lighter version of the original color is **82.5843, 75.0685, 104.7448**, and **23.0795, 18.5631, 33.3770** is the 20% darker color. If you saturate the color by 10%, you get **44.1916, 34.3002, 65.2648**, and if you desaturate by 10%, it is **52.7330, 49.1816, 67.6870**.

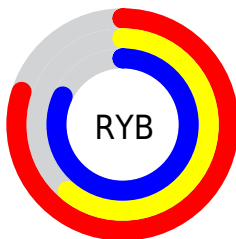
Distribution



Red (80%)

Green (61%)

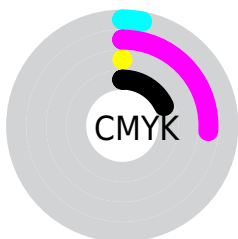
Blue (82%)



Red (80%)

Yellow (61%)

Blue (82%)

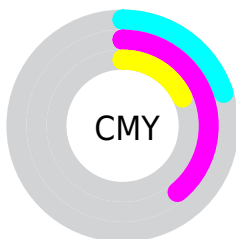


Cyan (3%)

Magenta (26%)

Yellow (0%)

Black (18%)



Cyan (20%)

Magenta (39%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 48.1499, 41.1266, 66.3732 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 48.1499, 41.1266, 66.3732 by changing the saturation by 10% instead.


 48.1499, 41.1266,
66.3732


 48.1499, 41.1266,
66.3732


369.9587,
350.8495, 466.1510

 34.1574, 28.4180,
48.1170


 86.6359, 76.8760,
115.6539

 23.1780, 18.6410,
33.5589


 111.8601,
100.6857, 147.5155

 14.8464, 11.4112,
22.2803


141.5588,
128.9645, 184.7494

 8.7973, 6.3441,
13.8628

176.0975,
162.0968, 227.7740

 4.6652, 3.0554,
7.8876

215.8415,
200.4671, 277.0079

 2.0849, 1.1607,
3.9364

261.1561,

 0.6810, 0.0293,

244.4597, 332.8697

1.5905

312.4067,
294.4590, 395.7779

■ 0.0000, 0.0000,
0.2840

■ 0.0000, 0.0000,
0.0000

■ 48.1499, 41.1266,
66.3732

■ 48.1499, 41.1266,
66.3732

■ 44.1916, 34.3002,
65.2648

■ 52.7330, 49.1816,
67.6870

■ 40.8228, 28.6345,
64.3488

■ 57.9661, 58.5182,
69.2134

■ 38.0107, 24.0627,
63.6146

■ 63.8779, 69.1925,
70.9621

■ 35.7173, 20.5096,
63.0496

■ 70.4941, 81.2560,
72.9419

33.9002, 17.8900,
62.6397

75.8932, 90.8656,
74.5122

32.5097, 16.1049,
62.3685

76.7072, 91.2852,
74.5503

31.4848, 15.0323,
62.2154

77.5347, 91.7118,
74.5890

31.1088, 14.6933,
62.1698

78.3755, 92.1453,
74.6284

79.2300, 92.5858,
74.6683

Harmonies

Analogous

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



43.2494, 41.1266, 79.5941



48.1499, 41.1266, 66.3732



50.6713, 41.1266, 49.1382

Triad

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



48.1499, 41.1266, 66.3732



40.5831, 41.1266, 20.7734



29.9906, 41.1266, 57.3092

Complementary

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



48.1499, 41.1266, 66.3732



44.1531, 56.2811, 39.9908

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.



29.4226, 41.1266, 40.6872



48.1499, 41.1266, 66.3732



35.2054, 41.1266, 21.9661

Square

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



48.1499, 41.1266, 66.3732



46.0402, 41.1266, 24.6995



31.2437, 41.1266, 28.4655



32.8763, 41.1266, 73.5555

Rectangle

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



48.1499, 41.1266, 66.3732



50.5115, 41.1266, 38.6716



31.2437, 41.1266, 28.4655



29.5341, 41.1266, 51.4997

Sweetspot

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



48.1512, 41.1284, 66.3741



87.9177, 87.1698, 106.7994



38.4776, 37.9885, 66.2779



18.5474, 18.1739, 22.7803



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.



48.1512, 41.1284, 66.3741



71.1355, 57.6191, 101.9801



47.7842, 41.2068, 54.2664



12.1538, 11.9281, 14.9054



19.0360, 8.9937, 37.9251



1.1074, 0.5250, 2.1225

Inverse Universe

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



45.0791, 40.1248, 40.0212



65.6394, 55.8446, 53.8839



44.5750, 56.2888, 49.4878



11.8702, 11.8328, 12.5924



16.3555, 8.4150, 1.5121



0.9355, 0.4789, 0.1950

Previews

White Background



This preview shows how the XYZ color 48.1499, 41.1266, 66.3732 looks on a white background.

Color Contrast Check

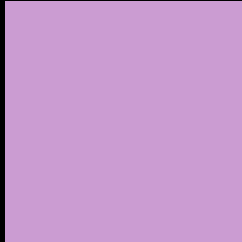
Large Text (above 18pt) WCAG AA × Fail

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 48.1499, 41.1266, 66.3732 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

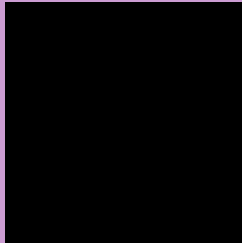
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 48.1499, 41.1266, 66.3732

Background



This preview shows how black text looks on a background with the XYZ color 48.1499, 41.1266, 66.3732.



This preview shows how white text looks on a background with the XYZ color 48.1499, 41.1266,

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

48.1499, 41.1266, 66.3732

Protanopia

41.5911, 41.2877, 73.4874

Deuteranopia

42.1824, 41.2173, 65.4070



Tritanopia

43.9469, 40.9416, 46.1437

Trichromacy



Original Color

48.1499, 41.1266, 66.3732

Protanomaly

43.5290, 40.9821, 70.5819

Deuteranomaly

44.3125, 41.2216, 65.9427

Tritanomaly

45.4673, 41.0518, 53.1044

Monochromacy



Original Color

48.1499, 41.1266, 66.3732

Achromatopsia

41.2663, 43.4154, 47.2793

Achromatomaly

43.5148, 42.4459, 53.4764

CSS Examples

Text

The CSS property to change the color of the text to XYZ 48.1499, 41.1266, 66.3732 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(203, 156, 210)` looks like.

```
.text, #text, p{  
    color:rgb(203, 156, 210)  
}
```

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(203, 156, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 156, 210) }
```

Border

The CSS property to change the border of an element to XYZ 48.1499, 41.1266, 66.3732 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(203, 156, 210) }
```


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

```
.border{ border-color:rgb(203, 156, 210) }
```

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

Here you see how a box with a 4 pixel rgb(203, 156, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 156, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 156, 210);  
box-shadow:4px 4px 4px 4px rgb(203, 156,  
210) }
```

Background

The CSS property to change the background color of an element to XYZ 48.1499, 41.1266, 66.3732 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 156, 210) }
```

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

```
.background{ background-color: rgb(203,  
156, 210) }
```

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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