

Converting Colors

XYZ(46.7260, 38.0909, 66.2423)

Have a look what the booklet for
XYZ(46.7260, 38.0909, 66.2423)
contains.

XYZ(46.6654, 37.9574, 66.4950)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(46.6654, 37.9574,
66.4950)**

Conversions

Conversions Part 1

Format	Color
Hex	CB92D3
RGB	203, 146, 211
RGB Percent	80%, 57%, 83%
CMY	0.2039, 0.4274, 0.1725
CMYK	0.04, 0.31, 0.00, 0.17
HSL	293°, 42%, 70%
HSV	293°, 31%, 83%
XYZ	46.6654, 37.9574, 66.4950
YIQ	170.4530, 13.1070, 32.2990

Conversions

Conversions Part 2

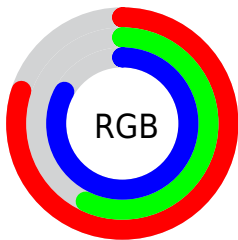
Format	Color
R_{YB}	203, 146, 211
Decimal	13341395
CIE _{Lab}	67.99, 32.42, -24.87
CIE _{LCh}	68, 40.867, 322.507
Yxy	37.9574, 0.3088, 0.2512
Android (android.graphics.Color)	4291531475 (0xFFFCB92D3)
YUV	170.4530, 19.9897, 28.5437
Hunter-Lab	61.6096, 27.3858, -20.8648

Details

The XYZ color **46.6654, 37.9574, 66.4950** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.8102, 55.5348, 35.7115**, and the grayscale version is **38.3343, 40.3306, 43.9201**.

A 20% lighter version of the original color is **80.1766, 70.2533, 103.9422**, and **22.2162, 16.7016, 33.5053** is the 20% darker color. If you saturate the color by 10%, you get **43.0072, 31.6814, 65.4770**, and if you desaturate by 10%, it is **50.9381, 45.4433, 67.7153**.

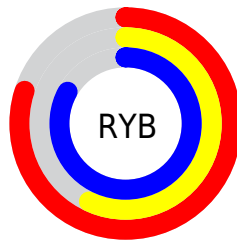
Distribution



Red (80%)

Green (57%)

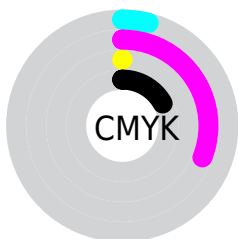
Blue (83%)



Red (80%)

Yellow (57%)

Blue (83%)

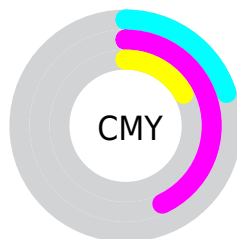


Cyan (4%)

Magenta (31%)

Yellow (0%)

Black (17%)



Cyan (20%)


Magenta (43%)


Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.6654, 37.9574, 66.4950 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 46.6654, 37.9574, 66.4950 by changing the saturation by 10% instead.


 46.6654, 37.9574,
66.4950


 46.6654, 37.9574,
66.4950


364.1486,
337.4372, 466.5975

 32.9781, 25.9496,
48.2153


 84.4357, 72.0428,
115.8303

 22.2688, 16.7860,
33.6362


 109.2494, 94.8893,
147.7229

 14.1722, 10.0820,
22.3392


138.5027,
122.1174, 184.9904

 8.3231, 5.4534,
13.9056

172.5607,
154.1117, 228.0511

 4.3559, 2.5156,
7.9171

211.7890,
191.2563, 277.3236

 1.9054, 0.8845,
3.9549

256.5528,

 0.5800, 0.0000,

233.9359, 333.2265

1.6006

307.2176,
282.5347, 396.1783

■ 0.0000, 0.0000,
0.2913

■ 0.0000, 0.0000,
0.0000

■ 46.6654, 37.9574,
66.4950

■ 46.6654, 37.9574,
66.4950

■ 43.0072, 31.6814,
65.4770

■ 50.9381, 45.4433,
67.7153

■ 39.9268, 26.5442,
64.6477

■ 55.8523, 54.1953,
69.1456

■ 37.3890, 22.4748,
63.9960

■ 61.4377, 64.2719,
70.7962

■ 35.3534, 19.3924,
63.5084

■ 67.7210, 75.7267,
72.6760

■ 33.7736, 17.2044,
63.1693

■ 74.7277, 88.6101,
74.7935

■ 32.5945, 15.8007,
62.9605

■ 76.6059, 91.2186,
75.1980

■ 31.7736, 15.0216,
62.8534

■ 77.3914, 91.6235,
75.2347

■ 78.1890, 92.0347,
75.2721

■ 78.9990, 92.4523,
75.3100

Harmonies

Analogous

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



40.9592, 37.9574, 82.8153



46.6654, 37.9574, 66.4950



49.5971, 37.9574, 46.0624

Triad

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



46.6654, 37.9574, 66.4950



37.6943, 37.9574, 15.4387



25.9263, 37.9574, 56.2223

Complementary

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



46.6654, 37.9574, 66.4950



41.8102, 55.5348, 35.7115

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.



25.2691, 37.9574, 36.9318



46.6654, 37.9574, 66.4950



31.5997, 37.9574, 16.6988

Square

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



46.6654, 37.9574, 66.4950



44.0367, 37.9574, 19.3191



27.2258, 37.9574, 23.4802



29.1400, 37.9574, 75.7721

Rectangle

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



46.6654, 37.9574, 66.4950



49.3681, 37.9574, 34.2055



27.2258, 37.9574, 23.4802



25.4157, 37.9574, 49.3789

Sweetspot

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



46.6666, 37.9590, 66.4958



87.1292, 85.6896, 106.5553



35.2794, 34.1477, 66.3603



18.3926, 17.8804, 22.7318



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.



46.6666, 37.9590, 66.4958



67.8301, 51.7115, 101.0140



46.1315, 38.0032, 52.0125



12.1617, 11.9322, 14.9058



19.2341, 9.0958, 37.9344



1.1166, 0.5298, 2.1230

Inverse Universe

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



42.9768, 36.7413, 35.4000



61.3953, 49.6162, 45.5026



42.3895, 55.5964, 46.4461



11.8671, 11.8316, 12.5759



16.3451, 8.4109, 1.4575



0.9340, 0.4783, 0.1873

Previews

White Background



This preview shows how the XYZ color 46.6654, 37.9574, 66.4950 looks on a white background.

Color Contrast Check

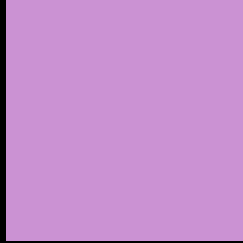
Large Text (above 18pt) WCAG AA × Fail

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 46.6654, 37.9574, 66.4950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

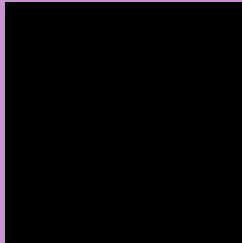
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 46.6654, 37.9574, 66.4950

Background



This preview shows how black text looks on a background with the XYZ color 46.6654, 37.9574, 66.4950.



This preview shows how white text looks on a background with the XYZ color 46.6654, 37.9574,

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

46.6654, 37.9574, 66.4950

Protanopia

39.1244, 38.3223, 75.8559

Deuteranopia

39.1803, 38.3255, 65.0070



Tritanopia

41.7224, 38.1030, 41.7148

Trichromacy



Original Color

46.6654, 37.9574, 66.4950



Protanomaly

41.2053, 37.6634, 72.1158



Deuteranomaly

41.4701, 37.9475, 65.4605



Tritanomaly

43.3287, 38.0175, 49.8542

Monochromacy



Original Color

46.6654, 37.9574, 66.4950



Achromatopsia

38.2080, 40.1978, 43.7754



Achromatomaly

40.7932, 38.9376, 51.2646

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.6654, 37.9574, 66.4950 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, 146, 211)` looks like.

```
.text, #text, p{  
    color:rgb(203, 146, 211)  
}
```

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, 146, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(203, 146, 211) }
```

Border

The CSS property to change the border of an element to XYZ 46.6654, 37.9574, 66.4950 is called "border". The border property can be set on classes, ids or directly on the HTML element.

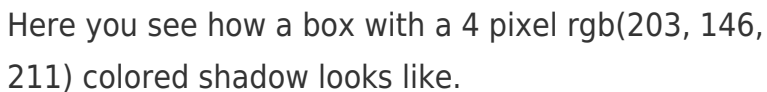
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(203, 146, 211) }
```


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

```
.border{ border-color:rgb(203, 146, 211) }
```

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



Here you see how a box with a 4 pixel `rgb(203, 146, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(203, 146, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(203, 146, 211);  
box-shadow:4px 4px 4px 4px rgb(203, 146,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 46.6654, 37.9574, 66.4950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(203, 146, 211) }
```

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

```
.background{ background-color: rgb(203,  
146, 211) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor