

# Converting Colors

XYZ(47.3687, 40.7494, 61.6382)

Have a look what the booklet for  
XYZ(47.3687, 40.7494, 61.6382)  
contains.

<b>XYZ(47.5698, 40.9261, 61.8922)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**XYZ(47.5698, 40.9261,  
61.8922)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	CC9CCB
RGB	204, 156, 203
RGB Percent	80%, 61%, 80%
CMY	0.2000, 0.3882, 0.2039
CMYK	0.00, 0.24, 0.00, 0.20
HSL	301°, 32%, 71%
HSV	301°, 24%, 80%
XYZ	47.5698, 40.9261, 61.8922
YIQ	175.7100, 13.5210, 24.7930

# Conversions

## Conversions Part 2

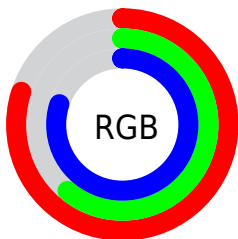
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	204, 156, 203
Decimal	13409483
CIE <sub>Lab</sub>	70.12, 25.75, -17.18
CIE <sub>LCh</sub>	70, 30.961, 326.287
Yxy	40.9261, 0.3163, 0.2721
Android (android.graphics.Color)	4291599563 (0xFFCC9CCB)
YUV	175.7100, 13.4540, 24.8103
Hunter-Lab	63.9735, 20.7764, -12.5796

# Details

The XYZ color **47.5698, 40.9261, 61.8922** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.3906, 52.6893, 39.8891**, and the grayscale version is **41.0442, 43.1817, 47.0249**.

A 20% lighter version of the original color is **82.5843, 75.0685, 104.7448**, and **22.7696, 18.4601, 30.7968** is the 20% darker color. If you saturate the color by 10%, you get **44.3797, 34.6263, 60.5796**, and if you desaturate by 10%, it is **51.3374, 48.3793, 63.3989**.

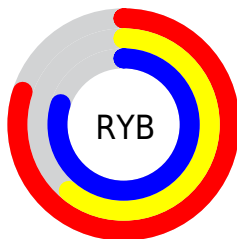
# Distribution



Red (80%)

Green (61%)

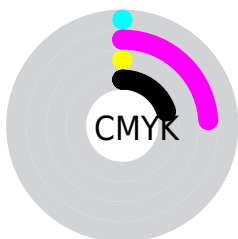
Blue (80%)



Red (80%)

Yellow (61%)

Blue (80%)

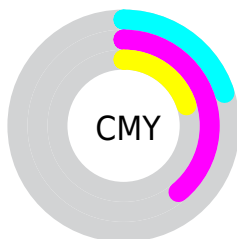


Cyan (0%)

Magenta (24%)

Yellow (0%)

Black (20%)



Cyan (20%)

Magenta (39%)


Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 47.5698, 40.9261, 61.8922 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 47.5698, 40.9261, 61.8922 by changing the saturation by 10% instead.





 47.5698, 40.9261,  
61.8922


 47.5698, 40.9261,  
61.8922


367.6954,  
350.0117, 449.5346

 33.6962, 28.2613,  
44.5104


 85.7771, 76.5717,  
109.1398

 22.8221, 18.5228,  
30.7318


 110.8415,  
100.3213, 139.8427

 14.5821, 11.3259,  
20.1380


140.3668,  
128.5347, 175.8229

 8.6111, 6.2865,  
12.3103

174.7185,  
161.5962, 217.4992

 4.5434, 3.0201,  
6.8303

214.2618,  
199.8903, 265.2899

 2.0139, 1.1422,  
3.2793

259.3622,

 0.6418, 0.0137,

243.8013, 319.6137

1.2390

310.3849,  
293.7136, 380.8891

■ 0.0000, 0.0000,  
0.0110

■ 0.0000, 0.0000,  
0.0000

■ 47.5698, 40.9261,  
61.8922

■ 47.5698, 40.9261,  
61.8922

■ 44.3797, 34.6263,  
60.5796

■ 51.3374, 48.3793,  
63.3989

■ 41.7348, 29.4171,  
59.4489

■ 55.7055, 57.0340,  
65.1060

■ 39.6050, 25.2380,  
58.4907

■ 60.7003, 66.9420,  
67.0227

■ 37.9560, 22.0204,  
57.6934

■ 66.3454, 78.1504,  
69.1568

36.7494, 19.6874,  
57.0442

71.6970, 88.7715,  
71.1938

35.9409, 18.1503,  
56.5285

71.7485, 88.7921,  
71.4648

35.4769, 17.3019,  
56.1282

71.8001, 88.8127,  
71.7365

35.2982, 16.9960,  
55.9101

71.8518, 88.8334,  
72.0089

71.9037, 88.8541,  
72.2821

# Harmonies

## Analogous

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



43.3706, 40.9261, 74.5165



47.5698, 40.9261, 61.8922



49.4423, 40.9261, 46.3911

# Triad

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



47.5698, 40.9261, 61.8922



39.5327, 40.9261, 22.1320



30.8089, 40.9261, 58.0812

# Complementary

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



47.5698, 40.9261, 61.8922



41.3906, 52.6893, 39.8891

# 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.



29.9725, 40.9261, 42.7808



47.5698, 40.9261, 61.8922



34.7459, 40.9261, 23.9508

# Square

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



47.5698, 40.9261, 61.8922



44.5550, 40.9261, 25.1640



31.3516, 40.9261, 30.8118



33.7432, 40.9261, 72.0022



# Rectangle

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



47.5698, 40.9261, 61.8922



49.0092, 40.9261, 37.1924



31.3516, 40.9261, 30.8118



30.2847, 40.9261, 52.8449

# Sweetspot

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



47.5711, 40.9279, 61.8931



89.5578, 89.1113, 106.7740



36.6550, 35.2866, 62.0067



19.0729, 18.8829, 22.8165



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.



47.5711, 40.9279, 61.8931



76.1088, 62.4995, 101.4087



44.9487, 39.8789, 48.0839



11.6771, 11.3996, 14.1000



22.2214, 10.6991, 35.2140



1.1497, 0.5533, 1.8340



# Inverse Universe

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



47.5711, 40.9279, 61.8931



76.1088, 62.4995, 101.4087



43.6247, 53.5829, 51.6534



11.6771, 11.3996, 14.1000



22.2214, 10.6991, 35.2140

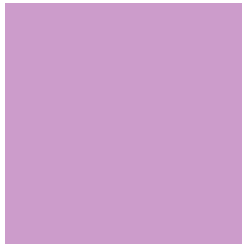


1.1497, 0.5533, 1.8340



# Previews

## White Background



This preview shows how the XYZ color 47.5698, 40.9261, 61.8922 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

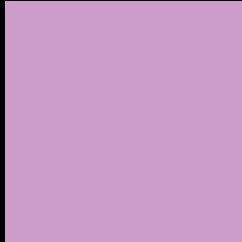
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 47.5698, 40.9261, 61.8922 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

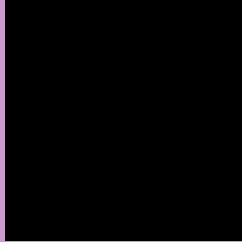
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 47.5698, 40.9261, 61.8922**

## **Background**



This preview shows how black text looks on a background with the XYZ color 47.5698, 40.9261, 61.8922.



This preview shows how white text looks on a background with the XYZ color 47.5698, 40.9261,



# 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

47.5698, 40.9261, 61.8922

### Protanopia

41.2853, 41.2349, 68.7340

### Deuteranopia

42.0008, 41.2210, 61.0011



## Tritanopia

44.2043, 40.8251, 45.5946

# Trichromacy



## Original Color

47.5698, 40.9261, 61.8922

## Protanomaly

43.0952, 40.8608, 65.9372

## Deuteranomaly

43.9437, 41.1295, 61.4998

## Tritanomaly

45.2425, 40.7166, 51.3735

# Monochromacy



## Original Color

47.5698, 40.9261, 61.8922

## Achromatopsia

41.2663, 43.4154, 47.2793

## Achromatomaly

43.3006, 42.3602, 52.3485

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 47.5698, 40.9261, 61.8922 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(204, 156, 203)` looks like.

```
.text, #text, p{  
    color:rgb(204, 156, 203)  
}
```

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(204, 156, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 156, 203) }
```

## Border

The CSS property to change the border of an element to XYZ 47.5698, 40.9261, 61.8922 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(204, 156, 203) }
```



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

```
.border{ border-color:rgb(204, 156, 203) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 156, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 156, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 156, 203);  
box-shadow:4px 4px 4px 4px rgb(204, 156,  
203) }
```

# Background

The CSS property to change the background color of an element to XYZ 47.5698, 40.9261, 61.8922 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 156, 203) }
```

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

```
.background{ background-color: rgb(204,  
156, 203) }
```

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