

# Converting Colors

XYZ(45.8652, 37.9113, 56.6814)

Have a look what the booklet for  
XYZ(45.8652, 37.9113, 56.6814)  
contains.

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# Color

**XYZ(46.0162, 38.0730,  
56.5533)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CF93C3
RGB	207, 147, 195
RGB Percent	81%, 58%, 76%
CMY	0.1882, 0.4235, 0.2353
CMYK	0.00, 0.29, 0.06, 0.19
HSL	312°, 38%, 69%
HSV	312°, 29%, 81%
XYZ	46.0162, 38.0730, 56.5533
YIQ	170.4120, 20.3520, 27.6480

# Conversions

## Conversions Part 2

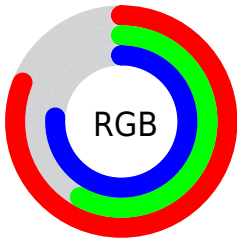
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	207, 147, 195
Decimal	13603779
CIE Lab	68.07, 30.22, -15.81
CIE LCh	68, 34.106, 332.382
Yxy	38.0730, 0.3272, 0.2707
Android (android.graphics.Color)	4291793859 (0xFFCF93C3)
YUV	170.4120, 12.1219, 32.0877
Hunter-Lab	61.7033, 25.1383, -11.1491

# Details

The XYZ color **46.0162, 38.0730, 56.5533** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **40.6050, 53.3331, 40.9574**, and the grayscale version is **38.3493, 40.3465, 43.9373**.

A 20% lighter version of the original color is **79.9312, 70.5293, 101.4962**, and **21.8488, 16.7829, 27.2872** is the 20% darker color. If you saturate the color by 10%, you get **42.6210, 32.0208, 53.1441**, and if you desaturate by 10%, it is **50.0059, 45.2921, 60.2255**.

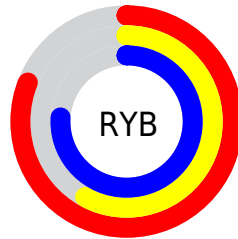
# Distribution



Red (81%)

Green (58%)

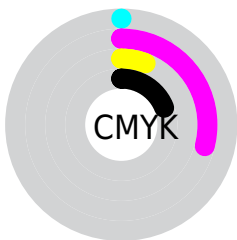
Blue (76%)



Red (81%)

Yellow (58%)

Blue (76%)

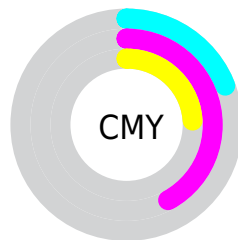


Cyan (0%)

Magenta (29%)

Yellow (6%)

Black (19%)



Cyan (19%)

Magenta (42%)


Yellow (24%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 46.0162, 38.0730, 56.5533 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 46.0162, 38.0730, 56.5533 by changing the saturation by 10% instead.





 46.0162, 38.0730,  
56.5533


 46.0162, 38.0730,  
56.5533


361.5886,  
337.9330, 429.2201

 32.4633, 26.0394,  
40.2397


 83.4710, 72.2200,  
101.3070

 21.8729, 16.8531,  
27.4103


 108.1035, 95.1022,  
130.5841

 13.8796, 10.1298,  
17.6465


137.1600,  
122.3693, 165.0196

 8.1181, 5.4851,  
10.5297

171.0057,  
154.4057, 205.0319

 4.2231, 2.5346,  
5.6414

210.0061,  
191.5960, 251.0395

 1.8291, 0.8939,  
2.5630

254.5265,

 0.5351, 0.0000,

234.3243, 303.4611

0.8733

304.9322,  
282.9752, 362.7151

■ 0.0000, 0.0000,  
0.0000

■ 46.0162, 38.0730,  
56.5533

■ 46.0162, 38.0730,  
56.5533

■ 42.6210, 32.0208,  
53.1441

■ 50.0059, 45.2921,  
60.2255

■ 39.7855, 27.0682,  
49.9846

■ 54.6154, 53.7306,  
64.1685

■ 37.4770, 23.1490,  
47.0638

■ 59.8729, 63.4438,  
68.3926

■ 35.6575, 20.1875,  
44.3685

■ 65.8036, 74.4823,  
72.9066

■ 34.2840, 18.0979,  
41.8838

■ 72.4316, 86.8938,  
77.7190

■ 33.3057, 16.7789,  
39.5923

■ 74.3899, 89.9446,  
81.0415

■ 32.6399, 16.0651,  
37.4659

■ 74.9447, 90.1665,  
83.9630

■ 32.5785, 16.0040,  
37.2552

■ 75.5132, 90.3939,  
86.9566

■ 76.0955, 90.6268,  
90.0228

# Harmonies

## Analogous

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



41.9396, 38.0730, 71.4015



46.0162, 38.0730, 56.5533



47.3857, 38.0730, 40.2508

# Triad

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



46.0162, 38.0730, 56.5533



35.7643, 38.0730, 18.5533



28.2264, 38.0730, 59.1838

# Complementary

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



46.0162, 38.0730, 56.5533



40.6050, 53.3331, 40.9574

# 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.



26.9087, 38.0730, 42.6830



46.0162, 38.0730, 56.5533



30.9865, 38.0730, 21.3287

# Square

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



46.0162, 38.0730, 56.5533



41.1334, 38.0730, 20.5574



27.8682, 38.0730, 29.3159



31.6544, 38.0730, 73.1631



# Rectangle

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



46.0162, 38.0730, 56.5533



46.4808, 38.0730, 31.2814



27.8682, 38.0730, 29.3159



27.5380, 38.0730, 53.6251

# Sweetspot

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



46.0174, 38.0747, 56.5541



87.4303, 85.9292, 102.7576



35.9960, 32.7454, 63.4555



18.4675, 17.9399, 21.7894



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.



46.0174, 38.0747, 56.5541



70.1386, 54.5647, 87.0700



42.9588, 36.8513, 40.4479



12.2052, 11.9668, 14.3566



20.5601, 10.0969, 23.6533



1.1760, 0.5751, 1.4615



# Inverse Universe

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



46.0174, 38.0747, 56.5541



70.1386, 54.5647, 87.0700



43.5322, 54.5039, 56.3713



12.2052, 11.9668, 14.3566



20.5601, 10.0969, 23.6533

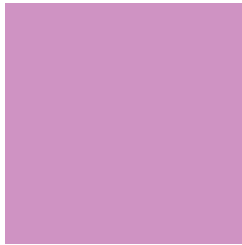


1.1760, 0.5751, 1.4615



# Previews

## White Background



This preview shows how the XYZ color 46.0162, 38.0730, 56.5533 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

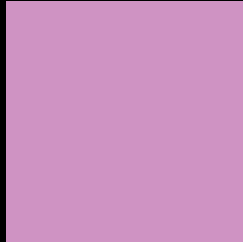
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 46.0162, 38.0730, 56.5533 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

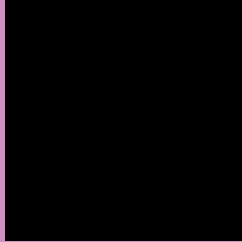
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 46.0162, 38.0730, 56.5533**

## **Background**



This preview shows how black text looks on a background with the XYZ color 46.0162, 38.0730, 56.5533.



This preview shows how white text looks on a background with the XYZ color 46.0162, 38.0730,



# 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

46.0162, 38.0730, 56.5533

### Protanopia

38.4279, 38.4832, 64.4341

### Deuteranopia

39.0123, 38.1925, 55.1849



## Tritanopia

42.7207, 38.1593, 40.2358

# Trichromacy



## Original Color

46.0162, 38.0730, 56.5533

## Protanomaly

40.6855, 37.8795, 61.6670

## Deuteranomaly

41.2110, 38.0315, 55.6208

## Tritanomaly

43.7063, 38.0657, 45.6013

# Monochromacy



## Original Color

46.0162, 38.0730, 56.5533

## Achromatopsia

38.2080, 40.1978, 43.7754

## Achromatomaly

40.5855, 39.1626, 48.0679

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 46.0162, 38.0730, 56.5533 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(207, 147, 195)` looks like.

```
.text, #text, p{  
    color:rgb(207, 147, 195)  
}
```

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(207, 147, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 147, 195) }
```

## Border

The CSS property to change the border of an element to XYZ 46.0162, 38.0730, 56.5533 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(207, 147, 195) }
```



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

```
.border{ border-color:rgb(207, 147, 195) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 147, 195)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 147, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 147, 195);  
box-shadow:4px 4px 4px 4px rgb(207, 147,  
195) }
```

# Background

The CSS property to change the background color of an element to XYZ 46.0162, 38.0730, 56.5533 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 147, 195) }
```

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

```
.background{ background-color: rgb(207,  
147, 195) }
```

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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