

# Converting Colors

XYZ(38.5609, 30.6823, 47.4484)

Have a look what the booklet for  
XYZ(38.5609, 30.6823, 47.4484)  
contains.

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# Color

**XYZ(38.5713, 30.7708,  
47.6225)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C282B5
RGB	194, 130, 181
RGB Percent	76%, 51%, 71%
CMY	0.2392, 0.4902, 0.2902
CMYK	0.00, 0.33, 0.07, 0.24
HSL	312°, 34%, 64%
HSV	312°, 33%, 76%
XYZ	38.5713, 30.7708, 47.6225
YIQ	154.9500, 21.7730, 29.4290

# Conversions

## Conversions Part 2

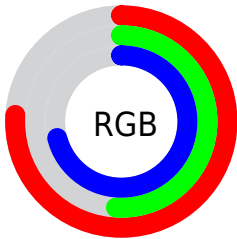
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 130, 181
Decimal	12747445
CIELab	62.31, 32.62, -16.79
CIELCh	62, 36.688, 332.763
Yxy	30.7708, 0.3298, 0.2631
Android (android.graphics.Color)	4290937525 (0xFFC282B5)
YUV	154.9500, 12.8427, 34.2469
Hunter-Lab	55.4714, 27.0425, -12.0708

# Details

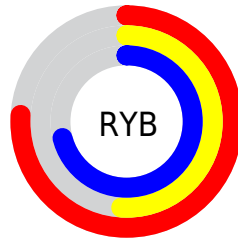
The XYZ color **38.5713, 30.7708, 47.6225** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **33.4570, 45.3136, 32.9716**, and the grayscale version is **31.0727, 32.6909, 35.6004**.

A 20% lighter version of the original color is **72.2102, 60.9046, 88.0706**, and **17.3397, 12.6394, 21.9478** is the 20% darker color. If you saturate the color by 10%, you get **35.8316, 25.9289, 44.7425**, and if you desaturate by 10%, it is **41.8108, 36.5930, 50.7262**.

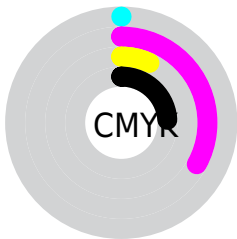
# Distribution



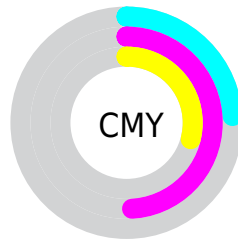
- Red (76%)
- Green (51%)
- Blue (71%)



- Red (76%)
- Yellow (51%)
- Blue (71%)



- Cyan (0%)
- Magenta (33%)
- Yellow (7%)
- Black (24%)



- Cyan (24%)
- Magenta (49%)
- Yellow (29%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.5713, 30.7708, 47.6225 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 38.5713, 30.7708, 47.6225 by changing the saturation by 10% instead.




 38.5713, 30.7708,  
47.6225


 38.5713, 30.7708,  
47.6225

331.3030,  
305.4810, 393.7593


 26.6056, 20.4244,  
33.1702


 72.2812, 60.8790,  
88.0018

 17.4123, 12.7039,  
21.9847


 94.7562, 81.4096,  
114.7658

 10.6260, 7.2250,  
13.6474


 121.4649,  
106.1038, 146.4708

 5.8814, 3.6032,  
7.7399

152.7728,  
135.3458, 183.5353

 2.8131, 1.4542,  
3.8436

189.0452,  
169.5202, 226.3779

 1.0557, 0.2561,  
1.5399

230.6475,

 0.0000, 0.0000,

209.0112, 275.4170

0.2474

277.9450,  
254.2034, 331.0713

■ 0.0000, 0.0000,  
0.0000

■ 38.5713, 30.7708,  
47.6225

■ 38.5713, 30.7708,  
47.6225

■ 35.8316, 25.9289,  
44.7425

■ 41.8108, 36.5930,  
50.7262

■ 33.5614, 22.0084,  
42.0747

■ 45.5727, 43.4419,  
54.0606

■ 31.7313, 18.9502,  
39.6091

■ 49.8814, 51.3659,  
57.6346

■ 30.3077, 16.6869,  
37.3340

■ 54.7592, 60.4093,  
61.4561

■ 29.2516, 15.1411,  
35.2360

■ 60.2269, 70.6137,  
65.5325

■ 28.5164, 14.2195,  
33.2991

■ 66.3044, 82.0185,  
69.8708

■ 28.1306, 13.8223,  
32.0161

■ 69.4661, 87.5725,  
73.2962

■ 69.9589, 87.7697,  
75.8916

■ 70.4639, 87.9717,  
78.5509

# Harmonies

## Analogous

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



34.7169, 30.7708, 62.1177



38.5713, 30.7708, 47.6225



39.8433, 30.7708, 32.2048

# Triad

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



38.5713, 30.7708, 47.6225



28.7894, 30.7708, 12.9588



21.9382, 30.7708, 50.5637

# Complementary

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



38.5713, 30.7708, 47.6225



33.4570, 45.3136, 32.9716

# 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.



20.7182, 30.7708, 34.8380



38.5713, 30.7708, 47.6225



24.3837, 30.7708, 15.3858

# Square

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



38.5713, 30.7708, 47.6225



33.8319, 30.7708, 14.6155



21.5609, 30.7708, 22.4947



25.0958, 30.7708, 64.1258



# Rectangle

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



38.5713, 30.7708, 47.6225



38.9509, 30.7708, 24.0091



21.5609, 30.7708, 22.4947



21.3051, 30.7708, 45.2212

# Sweetspot

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



38.5722, 30.7722, 47.6231



84.6714, 82.5652, 99.7302



29.0147, 25.6837, 54.4679



18.3063, 17.6482, 21.6406



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.



38.5722, 30.7722, 47.6231



66.0070, 48.8870, 82.2540



35.6728, 29.6124, 32.3546



10.4068, 10.2113, 12.2327



18.5248, 9.0997, 21.2074



0.8231, 0.4023, 1.0361



# Inverse Universe

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



38.5722, 30.7722, 47.6231



66.0070, 48.8870, 82.2540



36.2171, 46.4177, 47.5063



10.4068, 10.2113, 12.2327



18.5248, 9.0997, 21.2074

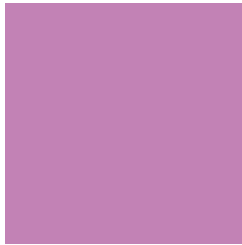


0.8231, 0.4023, 1.0361



# Previews

## White Background



This preview shows how the XYZ color 38.5713, 30.7708, 47.6225 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

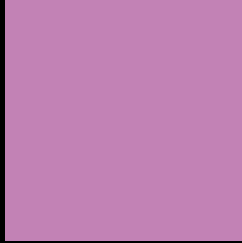
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.5713, 30.7708, 47.6225 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

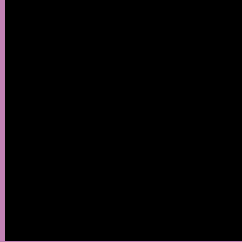
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**XYZ 38.5713, 30.7708, 47.6225**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.5713, 30.7708, 47.6225.



This preview shows how white text looks on a background with the XYZ color 38.5713, 30.7708,

47.6225.

# 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

38.5713, 30.7708, 47.6225

### Protanopia

31.2452, 30.9240, 55.9519

### Deuteranopia

31.6065, 30.8541, 46.4091



## Tritanopia

35.3058, 30.6621, 31.6613

# Trichromacy



## Original Color

38.5713, 30.7708, 47.6225

## Protanomaly

33.2653, 30.4346, 52.8364

## Deuteranomaly

33.8100, 30.6293, 46.7779

## Tritanomaly

36.2690, 30.6298, 36.8014

# Monochromacy



## Original Color

38.5713, 30.7708, 47.6225

## Achromatopsia

31.1553, 32.7778, 35.6950

## Achromatomaly

33.3419, 31.6731, 39.4782

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.5713, 30.7708, 47.6225 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(194, 130, 181)` looks like.

```
.text, #text, p{  
    color:rgb(194, 130, 181)  
}
```

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(194, 130, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 130, 181) }
```

## Border

The CSS property to change the border of an element to XYZ 38.5713, 30.7708, 47.6225 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(194, 130, 181) }
```



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

```
.border{ border-color:rgb(194, 130, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 130, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 130, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 130, 181);  
box-shadow:4px 4px 4px 4px rgb(194, 130,  
181) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.5713, 30.7708, 47.6225 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 130, 181) }
```

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

```
.background{ background-color: rgb(194,  
130, 181) }
```

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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