

Converting Colors

XYZ(47.6308, 38.3857, 66.7147)

Have a look what the booklet for
XYZ(47.6308, 38.3857, 66.7147)
contains.

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Color

**XYZ(47.7689, 38.5263,
66.5466)**

Conversions

Conversions Part 1

Format	Color
Hex	CF92D3
RGB	207, 146, 211
RGB Percent	81%, 57%, 83%
CMY	0.1882, 0.4274, 0.1725
CMYK	0.02, 0.31, 0.00, 0.17
HSL	296°, 42%, 70%
HSV	296°, 31%, 83%
XYZ	47.7689, 38.5263, 66.5466
YIQ	171.6490, 15.4910, 33.1470

Conversions

Conversions Part 2

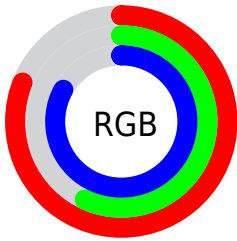
Format	Color
R _Y B	207, 146, 211
Decimal	13603539
CIE Lab	68.41, 33.71, -24.20
CIE LCh	68, 41.496, 324.328
Yxy	38.5263, 0.3125, 0.2521
Android (android.graphics.Color)	4291793619 (0xFFCF92D3)
YUV	171.6490, 19.4000, 31.0028
Hunter-Lab	62.0696, 28.7524, -20.1179

Details

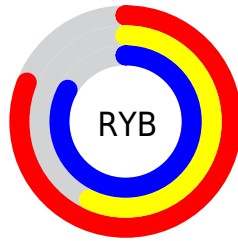
The XYZ color **47.7689, 38.5263, 66.5466** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **41.0615, 55.1488, 35.6766**, and the grayscale version is **38.9361, 40.9638, 44.6096**.

A 20% lighter version of the original color is **80.1766, 70.2533, 103.9422**, and **22.9523, 17.0811, 33.5398** is the 20% darker color. If you saturate the color by 10%, you get **44.4508, 32.4256, 65.5445**, and if you desaturate by 10%, it is **51.6927, 45.8324, 67.7506**.

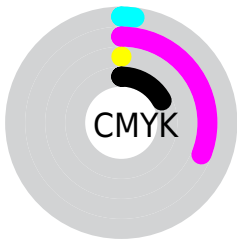
Distribution



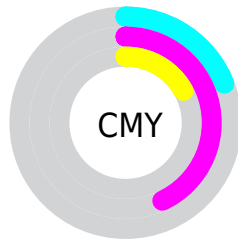
- Red (81%)
- Green (57%)
- Blue (83%)



- Red (81%)
- Yellow (57%)
- Blue (83%)



- Cyan (2%)
- Magenta (31%)
- Yellow (0%)
- Black (17%)





- Cyan (19%)
- Magenta (43%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 47.7689, 38.5263, 66.5466 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 47.7689, 38.5263, 66.5466 by changing the saturation by 10% instead.


 47.7689, 38.5263,
66.5466


 47.7689, 38.5263,
66.5466


368.4732,
339.8723, 466.7867

 33.8544, 26.3914,
48.2570

 86.0720, 72.9141,
115.9050

 22.9441, 17.1167,
33.6690


 111.1913, 95.9358,
147.8108

 14.6727, 10.3177,
22.3641


140.7763,
123.3553, 185.0924

 8.6748, 5.6101,
13.9238

175.1922,
155.5568, 228.1684

 4.5851, 2.6095,
7.9296

214.8046,
192.9249, 277.4573

 2.0382, 0.9314,
3.9628

259.9786,

 0.6553, 0.0000,

235.8439, 333.3776

1.6049

311.0797,
284.6983, 396.3479

■ 0.0000, 0.0000,
0.2943

■ 0.0000, 0.0000,
0.0000

■ 47.7689, 38.5263,
66.5466

■ 47.7689, 38.5263,
66.5466

■ 44.4508, 32.4256,
65.5445

■ 51.6927, 45.8324,
67.7506

■ 41.7016, 27.4592,
64.7308

■ 56.2490, 54.3999,
69.1641

■ 39.4863, 23.5561,
64.0942

■ 61.4676, 64.2874,
70.7976

■ 37.7645, 20.6354,
63.6212

■ 67.3751, 75.5484,
72.6598

36.4898, 18.6047,
63.2964

73.9969, 88.2334,
74.7592

35.6072, 17.3539,
63.1015

75.4810, 90.6387,
75.1453

35.0514, 16.7114,
63.0067

75.8633, 90.8358,
75.1632

76.2487, 91.0344,
75.1812

76.6370, 91.2346,
75.1994

Harmonies

Analogous

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



42.0260, 38.5263, 83.8774



47.7689, 38.5263, 66.5466



50.5550, 38.5263, 45.5963

Triad

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



47.7689, 38.5263, 66.5466



37.8705, 38.5263, 15.4142



26.3465, 38.5263, 58.5354

Complementary

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



47.7689, 38.5263, 66.5466



41.0615, 55.1488, 35.6766

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.



25.5114, 38.5263, 38.5008



47.7689, 38.5263, 66.5466



31.6952, 38.5263, 17.0109

Square

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



47.7689, 38.5263, 66.5466



44.4215, 38.5263, 19.0289



27.3535, 38.5263, 24.3096



29.7867, 38.5263, 78.3731

Rectangle

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



47.7689, 38.5263, 66.5466



50.1489, 38.5263, 33.6805



27.3535, 38.5263, 24.3096



25.7704, 38.5263, 51.4699

Sweetspot

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



47.7701, 38.5280, 66.5474



87.6431, 85.9545, 106.5793



34.5731, 32.7352, 66.1249



18.5201, 17.9461, 22.7378



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.



47.7701, 38.5280, 66.5474



69.8702, 52.7631, 101.1095



45.6739, 37.8202, 49.6029



12.2360, 11.9705, 14.9093



21.1855, 10.1018, 38.0257



1.2068, 0.5763, 2.1272

Inverse Universe

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



42.6491, 36.6103, 33.6744



60.8486, 49.3975, 42.6234



42.8059, 55.7629, 48.6383



11.8378, 11.8199, 12.4217



16.2691, 8.3805, 1.0575



0.9202, 0.4728, 0.1148

Previews

White Background



This preview shows how the XYZ color 47.7689, 38.5263, 66.5466 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 47.7689, 38.5263, 66.5466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

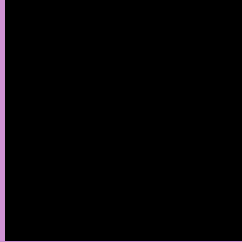
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 47.7689, 38.5263, 66.5466

Background



This preview shows how black text looks on a background with the XYZ color 47.7689, 38.5263, 66.5466.



This preview shows how white text looks on a background with the XYZ color 47.7689, 38.5263,

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

47.7689, 38.5263, 66.5466

Protanopia

39.6234, 38.8305, 76.6408

Deuteranopia

39.7649, 38.8915, 65.0855



Tritanopia

42.7838, 38.6502, 41.7645

Trichromacy



Original Color

47.7689, 38.5263, 66.5466



Protanomaly

41.9397, 38.2790, 72.8883



Deuteranomaly

42.1560, 38.3011, 65.4926



Tritanomaly

44.4041, 38.5719, 49.9045

Monochromacy



Original Color

47.7689, 38.5263, 66.5466



Achromatopsia

39.2122, 41.2543, 44.9259



Achromatomaly

41.9677, 40.0538, 51.9736

CSS Examples

Text

The CSS property to change the color of the text to XYZ 47.7689, 38.5263, 66.5466 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, 146, 211)` looks like.

```
.text, #text, p{  
    color:rgb(207, 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(207, 146, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 146, 211) }
```

Border

The CSS property to change the border of an element to XYZ 47.7689, 38.5263, 66.5466 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, 146, 211) }
```


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

```
.border{ border-color:rgb(207, 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(207, 146, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 146, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 146, 211);  
box-shadow:4px 4px 4px 4px rgb(207, 146,  
211) }
```

Background

The CSS property to change the background color of an element to XYZ 47.7689, 38.5263, 66.5466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 146, 211) }
```

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

```
.background{ background-color: rgb(207,  
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](#).

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