

# Converting Colors

XYZ(38.8726, 28.7741, 53.2201)

Have a look what the booklet for  
XYZ(38.8726, 28.7741, 53.2201)  
contains.

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# Color

**XYZ(38.8762, 28.7352,  
53.3666)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C477C0
RGB	196, 119, 192
RGB Percent	77%, 47%, 75%
CMY	0.2314, 0.5333, 0.2471
CMYK	0.00, 0.39, 0.02, 0.23
HSL	303°, 39%, 62%
HSV	303°, 39%, 77%
XYZ	38.8762, 28.7352, 53.3666
YIQ	150.3450, 22.4590, 39.0270

# Conversions

## Conversions Part 2

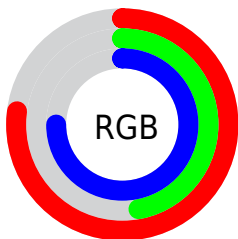
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	196, 119, 192
Decimal	12875712
CIE <sub>Lab</sub>	60.55, 41.21, -25.71
CIE <sub>LCh</sub>	61, 48.570, 328.039
Yxy	28.7352, 0.3213, 0.2375
Android (android.graphics.Color)	4291065792 (0xFFC477C0)
YUV	150.3450, 20.5359, 40.0394
Hunter-Lab	53.6052, 35.6447, -21.5024

# Details

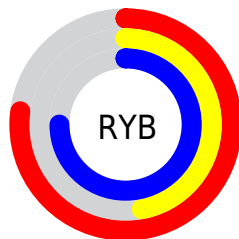
The XYZ color **38.8762, 28.7352, 53.3666** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **30.9241, 44.8328, 25.7643**, and the grayscale version is **29.0456, 30.5582, 33.2779**.

A 20% lighter version of the original color is **72.9155, 57.7975, 96.9355**, and **17.6391, 11.6319, 25.3603** is the 20% darker color. If you saturate the color by 10%, you get **36.6675, 24.4973, 52.0759**, and if you desaturate by 10%, it is **41.5685, 33.9380, 54.8230**.

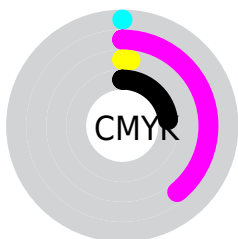
# Distribution



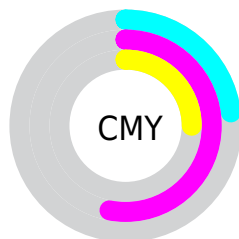
- Red (77%)
- Green (47%)
- Blue (75%)



- Red (77%)
- Yellow (47%)
- Blue (75%)



- Cyan (0%)
- Magenta (39%)
- Yellow (2%)
- Black (23%)




- Cyan (23%)
- Magenta (53%)
- Yellow (25%)


# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.8762, 28.7352, 53.3666 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 38.8762, 28.7352, 53.3666 by changing the saturation by 10% instead.




 38.8762, 28.7352,  
53.3666


 38.8762, 28.7352,  
53.3666

332.5801,  
295.9635, 416.7962


 26.8437, 18.8806,  
37.7058


 72.7444, 57.6561,  
96.5906

 17.5919, 11.5840,  
25.4544


 95.3109, 77.4912,  
124.9909

 10.7553, 6.4611,  
16.1938

 122.1194,  
101.4219, 158.4747

 5.9686, 3.1274,  
9.5056

153.5353,  
129.8326, 197.4606

 2.8665, 1.1986,  
4.9711

189.9240,  
163.1077, 242.3672

 1.0835, 0.0606,  
2.1719

231.6508,

 0.0113, 0.0000,

201.6317, 293.6129

0.6581

279.0810,  
245.7888, 351.6164

■ 0.0000, 0.0000,  
0.0000

■ 38.8762, 28.7352,  
53.3666

■ 38.8762, 28.7352,  
53.3666

■ 36.6675, 24.4973,  
52.0759

■ 41.5685, 33.9380,  
54.8230

■ 34.9099, 21.1608,  
50.9390

■ 44.7689, 40.1563,  
56.4523

■ 33.5712, 18.6608,  
49.9456

■ 48.5035, 47.4418,  
58.2636

■ 32.6138, 16.9223,  
49.0832

■ 52.7959, 55.8416,  
60.2647

■ 31.9934, 15.8564,  
48.3369

■ 57.6681, 65.3998,  
62.4629

■ 31.6318, 15.3069,  
47.6807

■ 63.1411, 76.1584,  
64.8653

■ 31.6088, 15.2733,  
47.6348

■ 68.8491, 87.3854,  
67.3499

■ 68.9678, 87.4330,  
67.9753

■ 69.0874, 87.4808,  
68.6049

# Harmonies

## Analogous

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



33.3830, 28.7352, 72.7525



38.8762, 28.7352, 53.3666



41.2268, 28.7352, 32.4850

# Triad

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



38.8762, 28.7352, 53.3666



27.7268, 28.7352, 7.9056



17.9894, 28.7352, 50.4963

# Complementary

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



38.8762, 28.7352, 53.3666



30.9241, 44.8328, 25.7643

# 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.



16.9440, 28.7352, 30.1203



38.8762, 28.7352, 53.3666



22.0255, 28.7352, 9.6300

# Square

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



38.8762, 28.7352, 53.3666



34.2071, 28.7352, 10.1791



18.3037, 28.7352, 16.3332



21.4118, 28.7352, 70.6971



# Rectangle

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



38.8762, 28.7352, 53.3666



40.4608, 28.7352, 21.7638



18.3037, 28.7352, 16.3332



17.3737, 28.7352, 43.2496

# Sweetspot

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



38.8771, 28.7365, 53.3672



85.7983, 81.9046, 104.5585



24.7089, 21.3806, 55.0498



18.1683, 17.1482, 22.2853



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.



38.8771, 28.7365, 53.3672



66.9884, 45.4552, 94.6800



35.1665, 27.2522, 33.8273



10.4740, 10.2382, 12.5864



20.3199, 9.8177, 30.6601



0.8850, 0.4270, 1.3618



# Inverse Universe

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



38.8771, 28.7365, 53.3672



66.9884, 45.4552, 94.6800



33.8128, 45.9883, 40.9760



10.4740, 10.2382, 12.5864



20.3199, 9.8177, 30.6601

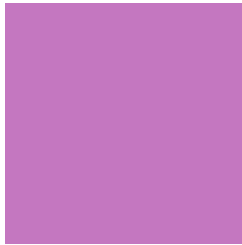


0.8850, 0.4270, 1.3618



# Previews

## White Background



This preview shows how the XYZ color 38.8762, 28.7352, 53.3666 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

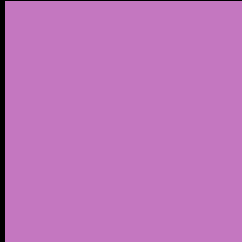
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the XYZ color 38.8762, 28.7352, 53.3666 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

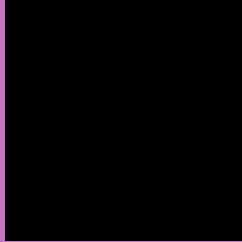
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 38.8762, 28.7352, 53.3666**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.8762, 28.7352, 53.3666.



This preview shows how white text looks on a background with the XYZ color 38.8762, 28.7352,



# 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

38.8762, 28.7352, 53.3666

### Protanopia

30.1886, 29.0096, 65.6363

### Deuteranopia

29.5904, 29.0233, 51.0562



## Tritanopia

33.7025, 28.6775, 28.5699

# Trichromacy



**Original Color**

38.8762, 28.7352, 53.3666

**Protanomaly**

32.3256, 28.2669, 60.8791

**Deuteranomaly**

32.3465, 28.4757, 51.9356

**Tritanomaly**

35.4571, 28.6314, 36.4585

# Monochromacy



**Original Color**

38.8762, 28.7352, 53.3666

**Achromatopsia**

28.9890, 30.4987, 33.2131

**Achromatomaly**

31.9605, 29.3973, 39.5871

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.8762, 28.7352, 53.3666 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(196, 119, 192)` looks like.

```
.text, #text, p{  
    color:rgb(196, 119, 192)  
}
```

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(196, 119, 192) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 119, 192) }
```

## Border

The CSS property to change the border of an element to XYZ 38.8762, 28.7352, 53.3666 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(196, 119, 192) }
```



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

```
.border{ border-color:rgb(196, 119, 192) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 119, 192)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 119, 192); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 119, 192);  
box-shadow:4px 4px 4px 4px rgb(196, 119,  
192) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.8762, 28.7352, 53.3666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 119, 192) }
```

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

```
.background{ background-color: rgb(196,  
119, 192) }
```

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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