

# Converting Colors

XYZ(38.4718, 27.2571, 57.4017)

Have a look what the booklet for  
XYZ(38.4718, 27.2571, 57.4017)  
contains.

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# Color

**XYZ(38.3511, 27.1812,  
57.2580)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	C270C7
RGB	194, 112, 199
RGB Percent	76%, 44%, 78%
CMY	0.2392, 0.5608, 0.2196
CMYK	0.03, 0.44, 0.00, 0.22
HSL	297°, 44%, 61%
HSV	297°, 44%, 78%
XYZ	38.3511, 27.1812, 57.2580
YIQ	146.4360, 20.9450, 44.4410

# Conversions

## Conversions Part 2

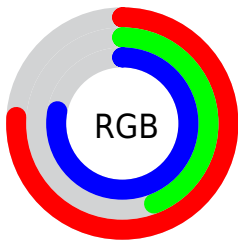
<b>Format</b>	<b>Color</b>
<b>RYB</b>	194, 112, 199
Decimal	12742855
CIELab	59.14, 45.59, -31.88
CIELCh	59, 55.626, 325.036
Yxy	27.1812, 0.3123, 0.2214
Android (android.graphics.Color)	4290932935 (0xFFC270C7)
YUV	146.4360, 25.9141, 41.7136
Hunter-Lab	52.1356, 40.0679, -28.6204

# Details

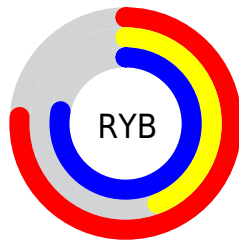
The XYZ color **38.3511, 27.1812, 57.2580** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **30.6851, 45.7993, 22.5534**, and the grayscale version is **27.3922, 28.8188, 31.3836**.

A 20% lighter version of the original color is **71.8311, 55.1879, 101.4742**, and **17.2079, 10.6793, 27.9424** is the 20% darker color. If you saturate the color by 10%, you get **36.1012, 23.1147, 56.5921**, and if you desaturate by 10%, it is **41.0903, 32.2216, 58.0869**.

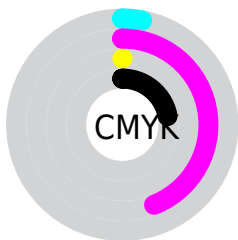
# Distribution



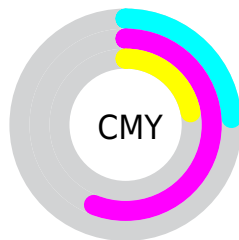
- Red (76%)
- Green (44%)
- Blue (78%)



- Red (76%)
- Yellow (44%)
- Blue (78%)



- Cyan (3%)
- Magenta (44%)
- Yellow (0%)
- Black (22%)



- Cyan (24%)
- Magenta (56%)
- Yellow (22%)

# Brightness & Saturation Gradients

These gradients show how the XYZ color 38.3511, 27.1812, 57.2580 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 38.3511, 27.1812, 57.2580 by changing the saturation by 10% instead.



38.3511, 27.1812,  
57.2580

38.3511, 27.1812,  
57.2580

330.3786,  
288.5334, 431.9362

26.4338, 17.7094,  
40.8017

71.9464, 55.1745,  
102.3456

17.2828, 10.7415,  
27.8456

94.3551, 74.4647,  
131.8140

10.5329, 5.8933,  
17.9713

120.9915, 97.7966,  
166.4568

5.8186, 2.7803,  
10.7601

152.2212,  
125.5544, 206.6926

2.7747, 1.0181,  
5.7937

188.4094,  
158.1226, 252.9398

1.0358, 0.0000,  
2.6533

229.9214,

0.0000, 0.0000,

195.8856, 305.6172

0.9198

277.1227,  
239.2277, 365.1431

■ 0.0000, 0.0000,  
0.0000

■ 38.3511, 27.1812,  
57.2580

■ 38.3511, 27.1812,  
57.2580

■ 36.1012, 23.1147,  
56.5921

■ 41.0903, 32.2216,  
58.0869

■ 34.3054, 19.9539,  
56.0766

■ 44.3455, 38.2911,  
59.0869

■ 32.9285, 17.6276,  
55.7002

■ 48.1445, 45.4450,  
60.2675

■ 31.9287, 16.0520,  
55.4487

■ 52.5126, 53.7336,  
61.6371

■ 31.2555, 15.1263,  
55.3055

■ 57.4732, 63.2040,  
63.2037

■ 30.9409, 14.7597,  
55.2514

■ 63.0488, 73.9008,  
64.9745

■ 69.2602, 85.8660,  
66.9566

■ 70.7383, 88.3611,  
67.3603

■ 71.0512, 88.5224,  
67.3750

# Harmonies

## Analogous

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



31.8875, 27.1812, 79.3153



38.3511, 27.1812, 57.2580



41.4946, 27.1812, 33.0182

# Triad

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



38.3511, 27.1812, 57.2580



27.0038, 27.1812, 5.5459



15.5538, 27.1812, 48.8379

# Complementary

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



38.3511, 27.1812, 57.2580



30.6851, 45.7993, 22.5534

# 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.



14.7133, 27.1812, 26.4183



38.3511, 27.1812, 57.2580



20.6012, 27.1812, 6.7500

# Square

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



38.3511, 27.1812, 57.2580



34.2383, 27.1812, 8.0576



16.3895, 27.1812, 12.6840



18.9330, 27.1812, 73.1201



# Rectangle

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



38.3511, 27.1812, 57.2580



40.9405, 27.1812, 20.7663



16.3895, 27.1812, 12.6840



14.9939, 27.1812, 40.6285

# Sweetspot

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



38.3520, 27.1824, 57.2586



84.6741, 80.2834, 105.6412



23.4469, 20.4794, 56.7504



17.7842, 16.5422, 22.5056



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.



38.3520, 27.1824, 57.2586



63.5507, 41.0808, 99.1876



35.8077, 26.3154, 37.0503



11.0206, 10.7844, 13.4182



19.9213, 9.5041, 35.5289



0.9620, 0.4597, 1.6832



# Inverse Universe

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



32.5591, 25.0160, 19.9433



52.2794, 36.8897, 25.4911



32.5873, 46.4846, 35.9838



10.6582, 10.6467, 11.1832



15.1966, 7.8282, 0.9794

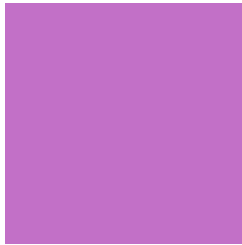


0.7284, 0.3742, 0.0927



# Previews

## White Background



This preview shows how the XYZ color 38.3511, 27.1812, 57.2580 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

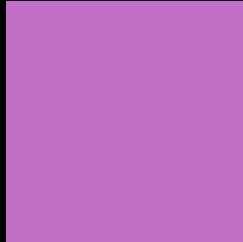
Any Text WCAG AA ✗ Fail

Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail



# Black Background



This preview shows how the XYZ color 38.3511, 27.1812, 57.2580 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

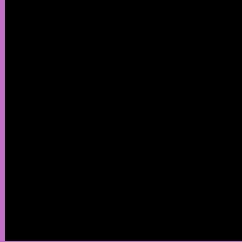
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

**XYZ 38.3511, 27.1812, 57.2580**

## **Background**



This preview shows how black text looks on a background with the XYZ color 38.3511, 27.1812, 57.2580.



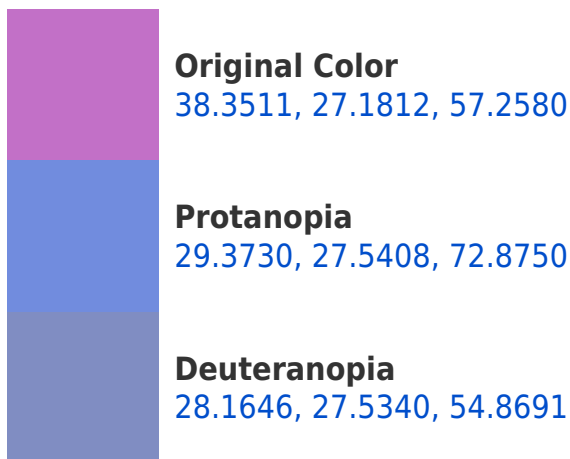
This preview shows how white text looks on a background with the XYZ color 38.3511, 27.1812,



# 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





## Tritanopia

32.1545, 27.1384, 26.8361

# Trichromacy



## Original Color

38.3511, 27.1812, 57.2580



## Protanomaly

31.2756, 26.5711, 67.0987



## Deuteranomaly

30.8953, 26.6262, 55.7356



## Tritanomaly

34.0816, 26.9968, 36.2155

# Monochromacy



## Original Color

38.3511, 27.1812, 57.2580



## Achromatopsia

27.3213, 28.7441, 31.3023



## Achromatomaly

30.4209, 27.5533, 39.3123

# CSS Examples

## Text

The CSS property to change the color of the text to XYZ 38.3511, 27.1812, 57.2580 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, 112, 199)` looks like.

```
.text, #text, p{  
    color:rgb(194, 112, 199)  
}
```

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, 112, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 112, 199) }
```

## Border

The CSS property to change the border of an element to XYZ 38.3511, 27.1812, 57.2580 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, 112, 199) }
```



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

```
.border{ border-color:rgb(194, 112, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 112, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 112, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 112, 199);  
box-shadow:4px 4px 4px 4px rgb(194, 112,  
199) }
```

# Background

The CSS property to change the background color of an element to XYZ 38.3511, 27.1812, 57.2580 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 112, 199) }
```

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

```
.background{ background-color: rgb(194,  
112, 199) }
```

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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