

Converting Colors

XYZ(37.7358, 27.8836, 58.5790)

Have a look what the booklet for
XYZ(37.7358, 27.8836, 58.5790)
contains.

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Color

**XYZ(37.7601, 27.8653,
58.6467)**

Conversions

Conversions Part 1

Format	Color
Hex	BC76C9
RGB	188, 118, 201
RGB Percent	74%, 46%, 79%
CMY	0.2627, 0.5372, 0.2118
CMYK	0.06, 0.41, 0.00, 0.21
HSL	291°, 43%, 63%
HSV	291°, 41%, 79%
XYZ	37.7601, 27.8653, 58.6467
YIQ	148.3920, 15.0770, 40.6530

Conversions

Conversions Part 2

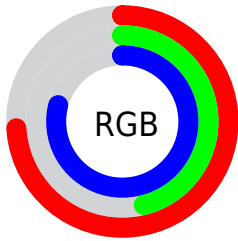
Format	Color
RYB	188, 118, 201
Decimal	12351177
CIELab	59.77, 40.98, -32.09
CIELCh	60, 52.055, 321.936
Yxy	27.8653, 0.3039, 0.2242
Android (android.graphics.Color)	4290541257 (0xFFBC76C9)
YUV	148.3920, 25.9357, 34.7362
Hunter-Lab	52.7876, 35.3066, -28.9195

Details

The XYZ color **37.7601, 27.8653, 58.6467** is a light color, and the websafe version is hex **CC66CC**. A complement of this color would be **33.5176, 47.9073, 24.6213**, and the grayscale version is **28.2034, 29.6722, 32.3130**.

A 20% lighter version of the original color is **70.4587, 56.1375, 101.7298**, and **16.9465, 11.1074, 28.8545** is the 20% darker color. If you saturate the color by 10%, you get **34.8737, 23.2306, 57.9047**, and if you desaturate by 10%, it is **41.1697, 33.5198, 59.5588**.

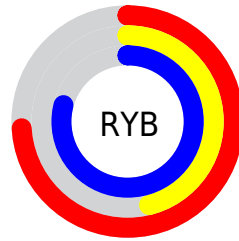
Distribution



Red (74%)

Green (46%)

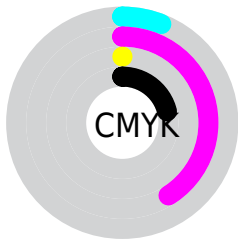
Blue (79%)



Red (74%)

Yellow (46%)

Blue (79%)

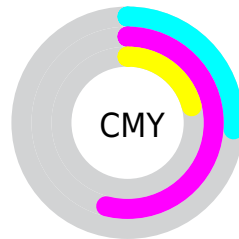


Cyan (6%)

Magenta (41%)

Yellow (0%)

Black (21%)



Cyan (26%)

Magenta (54%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.7601, 27.8653, 58.6467 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 37.7601, 27.8653, 58.6467 by changing the saturation by 10% instead.

37.7601, 27.8653,
58.6467

37.7601, 27.8653,
58.6467

327.8884,
291.8227, 437.2568

25.9729, 18.2241,
41.9106

71.0466, 56.2693,
104.3881

16.9360, 11.1110,
28.7063

93.2765, 75.8010,
134.2305

10.2839, 6.1416,
18.6151

119.7182, 99.3982,
169.2787

5.6513, 2.9314,
11.2185

150.7368,
127.4455, 209.9514

2.6728, 1.0960,
6.0980

186.6978,
160.3272, 256.6669

0.9832, 0.0000,
2.8350

227.9665,

0.0000, 0.0000,

198.4277, 309.8440

1.0110

274.9082,
242.1314, 369.9011

■ 0.0000, 0.0000,
0.0000

■ 37.7601, 27.8653,
58.6467

■ 37.7601, 27.8653,
58.6467

■ 34.8737, 23.2306,
57.9047

■ 41.1697, 33.5198,
59.5588

■ 32.4751, 19.5473,
57.3201

■ 45.1291, 40.2493,
60.6491

■ 30.5291, 16.7445,
56.8817

■ 49.6666, 48.1097,
61.9271

■ 28.9944, 14.7395,
56.5756

■ 54.8078, 57.1517,
63.4015

■ 27.8217, 13.4340,
56.3854

■ 60.5764, 67.4229,
65.0800

■ 27.0166, 12.7097,
56.2880

■ 66.9950, 78.9684,
66.9702

■ 72.8920, 89.4444,
68.6814

■ 73.7974, 89.9111,
68.7238

■ 74.7206, 90.3870,
68.7670

Harmonies

Analogous

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



31.5037, 27.8653, 77.9539



37.7601, 27.8653, 58.6467



41.1077, 27.8653, 35.7180

Triad

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



37.7601, 27.8653, 58.6467



28.3017, 27.8653, 6.7339



16.3887, 27.8653, 46.0077

Complementary

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



37.7601, 27.8653, 58.6467



33.5176, 47.9073, 24.6213

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.



15.8205, 27.8653, 25.5319



37.7601, 27.8653, 58.6467



22.0300, 27.8653, 7.5998

Square

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



37.7601, 27.8653, 58.6467



35.0859, 27.8653, 9.8060



17.7129, 27.8653, 13.0224



19.4191, 27.8653, 68.7939

Rectangle

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



37.7601, 27.8653, 58.6467



40.9088, 27.8653, 23.4401



17.7129, 27.8653, 13.0224



15.9261, 27.8653, 38.4776

Sweetspot

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



37.7611, 27.8665, 58.6473



84.3120, 81.1089, 105.8196



26.2436, 24.5273, 58.6098



17.8160, 16.9596, 22.5845



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.



37.7611, 27.8665, 58.6473



59.9752, 40.1956, 99.2052



38.1418, 28.4056, 43.1780



10.9137, 10.7293, 13.4132



17.0504, 8.0241, 35.3945



0.8525, 0.4032, 1.6780

Inverse Universe

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



34.6635, 27.0142, 24.8612



54.1975, 38.6896, 32.4086



33.5212, 47.6905, 34.4980



10.7005, 10.6636, 11.4060



15.3268, 7.8803, 1.6650



0.7478, 0.3819, 0.1949

Previews

White Background



This preview shows how the XYZ color 37.7601, 27.8653, 58.6467 looks on a white background.

Color Contrast Check

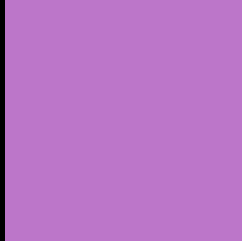
Large Text (above 18pt) WCAG AA ✓ Pass

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 37.7601, 27.8653, 58.6467 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

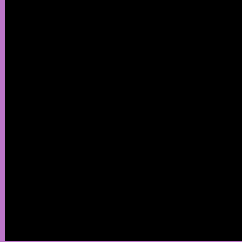
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 37.7601, 27.8653, 58.6467

Background



This preview shows how black text looks on a background with the XYZ color 37.7601, 27.8653, 58.6467.



This preview shows how white text looks on a background with the XYZ color 37.7601, 27.8653,

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

37.7601, 27.8653, 58.6467

Protanopia

29.7937, 28.2263, 71.5881

Deuteranopia

28.6901, 27.9987, 56.1167



Tritanopia

31.7464, 27.8590, 28.9034

Trichromacy



Original Color

37.7601, 27.8653, 58.6467

Protanomaly

31.5531, 27.3299, 66.5630

Deuteranomaly

31.1582, 27.3363, 57.0603

Tritanomaly

33.6002, 27.6333, 38.2132

Monochromacy



Original Color

37.7601, 27.8653, 58.6467

Achromatopsia

28.1479, 29.6138, 32.2495

Achromatomaly

31.0250, 28.4679, 40.4189

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.7601, 27.8653, 58.6467 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(188, 118, 201)` looks like.

```
.text, #text, p{  
    color:rgb(188, 118, 201)  
}
```

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(188, 118, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(188, 118, 201) }
```

Border

The CSS property to change the border of an element to XYZ 37.7601, 27.8653, 58.6467 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(188, 118, 201) }
```


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

```
.border{ border-color:rgb(188, 118, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(188, 118, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(188, 118, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(188, 118, 201);  
box-shadow:4px 4px 4px 4px rgb(188, 118,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 37.7601, 27.8653, 58.6467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(188, 118, 201) }
```

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

```
.background{ background-color: rgb(188,  
118, 201) }
```

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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