

Converting Colors

XYZ(37.5676, 30.5036, 63.5858)

Have a look what the booklet for
XYZ(37.5676, 30.5036, 63.5858)
contains.

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Color

**XYZ(37.6772, 30.5592,
63.5872)**

Conversions

Conversions Part 1

Format	Color
Hex	B085D0
RGB	176, 133, 208
RGB Percent	69%, 52%, 82%
CMY	0.3098, 0.4784, 0.1843
CMYK	0.15, 0.36, 0.00, 0.18
HSL	274°, 44%, 67%
HSV	274°, 36%, 82%
XYZ	37.6772, 30.5592, 63.5872
YIQ	154.4070, 1.5530, 32.4410

Conversions

Conversions Part 2

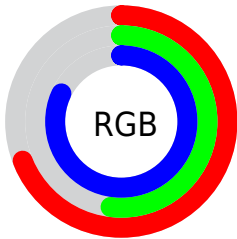
Format	Color
RYB	176, 133, 208
Decimal	11568592
CIELab	62.13, 30.51, -32.46
CIElCh	62, 44.550, 313.229
Yxy	30.5592, 0.2858, 0.2318
Android (android.graphics.Color)	4289758672 (0xFFB085D0)
YUV	154.4070, 26.4213, 18.9371
Hunter-Lab	55.2804, 24.9188, -29.5031

Details

The XYZ color **37.6772, 30.5592, 63.5872** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **42.3074, 54.8052, 30.5402**, and the grayscale version is **30.7818, 32.3849, 35.2671**.

A 20% lighter version of the original color is **69.4246, 60.0843, 102.5461**, and **16.8691, 12.6240, 31.6846** is the 20% darker color. If you saturate the color by 10%, you get **33.1652, 24.4168, 62.6399**, and if you desaturate by 10%, it is **42.8863, 37.8995, 64.7300**.

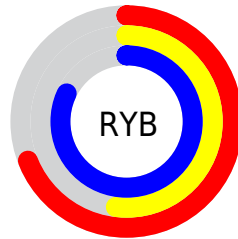
Distribution



Red (69%)

Green (52%)

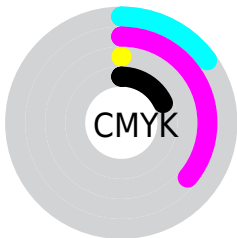
Blue (82%)



Red (69%)

Yellow (52%)

Blue (82%)

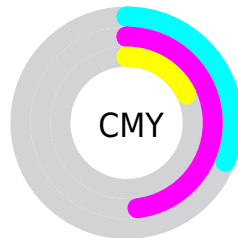


Cyan (15%)

Magenta (36%)

Yellow (0%)

Black (18%)



Cyan (31%)

Magenta (48%)

Yellow (18%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 37.6772, 30.5592, 63.5872 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 37.6772, 30.5592, 63.5872 by changing the saturation by 10% instead.

37.6772, 30.5592,
63.5872

37.6772, 30.5592,
63.5872

327.5381,
304.5024, 455.8639

25.9083, 20.2634,
45.8724

70.9202, 60.5454,
111.6100

16.8874, 12.5867,
31.7972

93.1250, 81.0046,
142.7550

10.2490, 7.1446,
20.9431

119.5392,
105.6204, 179.2138

5.6279, 3.5527,
12.8916

150.5281,
134.7773, 221.4050

2.6587, 1.4266,
7.2241

186.4571,
168.8595, 269.7470

0.9759, 0.2362,
3.5221

227.6915,

0.0000, 0.0000,

208.2515, 324.6585

1.3670

274.5967,
253.3376, 386.5579

■ 0.0000, 0.0000,
0.1158

■ 0.0000, 0.0000,
0.0000

■ 37.6772, 30.5592,
63.5872

■ 37.6772, 30.5592,
63.5872

■ 33.1652, 24.4168,
62.6399

■ 42.8863, 37.8995,
64.7300

■ 29.3113, 19.4002,
61.8747


■ 48.8226, 46.4964,
66.0765


■ 26.0769, 15.4355,
61.2799


■ 55.5178, 56.4095,
67.6370


■ 23.4178, 12.4378,
60.8415


■ 63.0010, 67.6932,
69.4206


 21.2825, 10.3087,
60.5430


 71.2995, 80.3990,
71.4356

 19.6076, 8.9250,
60.3643

 79.5382, 92.7733,
73.3899

 19.0280, 8.4941,
60.3116

 82.4470, 94.2728,
73.5260

 85.5027, 95.8481,
73.6690

 88.3853, 97.3341,
73.8039

Harmonies

Analogous

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



31.7641, 30.5592, 76.8638



37.6772, 30.5592, 63.5872



41.5386, 30.5592, 43.7366

Triad

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



37.6772, 30.5592, 63.5872



32.5000, 30.5592, 10.6184



19.2079, 30.5592, 41.4145

Complementary

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



37.6772, 30.5592, 63.5872



42.3074, 54.8052, 30.5402

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.



19.3481, 30.5592, 24.6287



37.6772, 30.5592, 63.5872



26.4868, 30.5592, 10.3738

Square

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



37.6772, 30.5592, 63.5872



38.2795, 30.5592, 15.3984



21.8446, 30.5592, 14.5514



21.4306, 30.5592, 61.3915

Rectangle

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



37.6772, 30.5592, 63.5872



42.1406, 30.5592, 31.4486



21.8446, 30.5592, 14.5514



18.9904, 30.5592, 35.1682

Sweetspot

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



37.6782, 30.5605, 63.5879



82.4786, 81.1912, 105.9321



34.6046, 36.6327, 64.9220



17.3449, 16.9216, 22.6020



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.



37.6782, 30.5605, 63.5879



54.3023, 41.0192, 99.6632



45.1802, 34.4978, 60.7780



11.8033, 11.7474, 14.8890



11.9717, 5.3520, 37.5945



0.7592, 0.3455, 2.1062

Inverse Universe

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



41.1923, 32.9027, 39.7780



60.9482, 45.4296, 55.5033



36.8171, 51.9340, 32.1298



12.0151, 11.8908, 13.3552



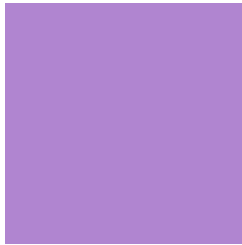
17.3758, 8.8232, 6.8852



1.0109, 0.5091, 0.5922

Previews

White Background



This preview shows how the XYZ color 37.6772, 30.5592, 63.5872 looks on a white background.

Color Contrast Check

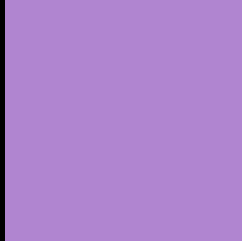
Large Text (above 18pt) WCAG AA × Fail

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 37.6772, 30.5592, 63.5872 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

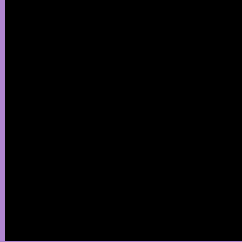
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.6772, 30.5592, 63.5872

Background



This preview shows how black text looks on a background with the XYZ color 37.6772, 30.5592, 63.5872.



This preview shows how white text looks on a background with the XYZ color 37.6772, 30.5592,

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

37.6772, 30.5592, 63.5872

Protanopia

32.2606, 30.8591, 71.9662

Deuteranopia

31.4409, 30.6559, 62.0177



Tritanopia

32.0381, 30.6379, 35.2355

Trichromacy



Original Color

37.6772, 30.5592, 63.5872

Protanomaly

33.8942, 30.6225, 69.0901

Deuteranomaly

33.3575, 30.4907, 62.5197

Tritanomaly

33.8127, 30.4701, 44.1436

Monochromacy



Original Color

37.6772, 30.5592, 63.5872

Achromatopsia

30.7148, 32.3143, 35.1903

Achromatomaly

32.8192, 31.2951, 44.3552

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.6772, 30.5592, 63.5872 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(176, 133, 208)` looks like.

```
.text, #text, p{  
    color:rgb(176, 133, 208)  
}
```

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(176, 133, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 133, 208) }
```

Border

The CSS property to change the border of an element to XYZ 37.6772, 30.5592, 63.5872 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(176, 133, 208) }
```


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

```
.border{ border-color:rgb(176, 133, 208) }
```

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

Here you see how a box with a 4 pixel rgb(176, 133, 208) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 133, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 133, 208);  
box-shadow:4px 4px 4px 4px rgb(176, 133,  
208) }
```

Background

The CSS property to change the background color of an element to XYZ 37.6772, 30.5592, 63.5872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 133, 208) }
```

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

```
.background{ background-color: rgb(176,  
133, 208) }
```

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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