

Converting Colors

XYZ(38.0098, 30.9377, 58.7398)

Have a look what the booklet for
XYZ(38.0098, 30.9377, 58.7398)
contains.

XYZ(37.8689, 30.7689, 58.5867)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(37.8689, 30.7689,
58.5867)**

Conversions

Conversions Part 1

Format	Color
Hex	B585C8
RGB	181, 133, 200
RGB Percent	71%, 52%, 78%
CMY	0.2902, 0.4784, 0.2157
CMYK	0.09, 0.33, 0.00, 0.22
HSL	283°, 38%, 65%
HSV	283°, 33%, 78%
XYZ	37.8689, 30.7689, 58.5867
YIQ	154.9900, 7.1010, 31.0130

Conversions

Conversions Part 2

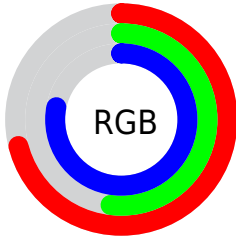
Format	Color
R_{YB}	181, 133, 200
Decimal	11896264
CIE _{Lab}	62.31, 30.37, -27.65
CIE _{LCh}	62, 41.069, 317.681
Yxy	30.7689, 0.2977, 0.2418
Android (android.graphics.Color)	4290086344 (0xFFB585C8)
YUV	154.9900, 22.1899, 22.8108
Hunter-Lab	55.4697, 24.7890, -23.7928

Details

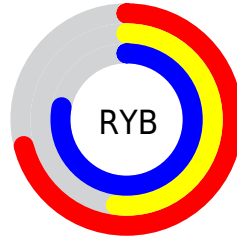
The XYZ color **37.8689, 30.7689, 58.5867** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **37.8378, 49.6782, 29.7862**, and the grayscale version is **31.0549, 32.6722, 35.5800**.

A 20% lighter version of the original color is **71.0802, 60.9378, 102.6236**, and **17.0340, 12.7739, 28.7619** is the 20% darker color. If you saturate the color by 10%, you get **34.0843, 25.1334, 57.6989**, and if you desaturate by 10%, it is **42.2310, 37.4775, 59.6522**.

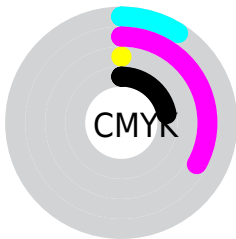
Distribution



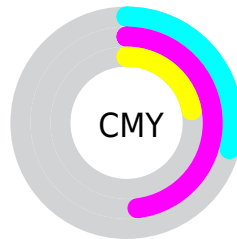
- Red (71%)
- Green (52%)
- Blue (78%)



- Red (71%)
- Yellow (52%)
- Blue (78%)



- Cyan (9%)
- Magenta (33%)
- Yellow (0%)
- Black (22%)





- Cyan (29%)
- Magenta (48%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 37.8689, 30.7689, 58.5867 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 37.8689, 30.7689, 58.5867 by changing the saturation by 10% instead.


 37.8689, 30.7689,
58.5867

 37.8689, 30.7689,
58.5867

328.3478,
305.4722, 437.0277


 26.0577, 20.4229,
41.8627


 71.2123, 60.8760,
104.2999

 16.9997, 12.7029,
28.6690


 93.4753, 81.4060,
134.1262

 10.3296, 7.2242,
18.5872


 119.9529,
106.0994, 169.1571

 5.6820, 3.6027,
11.1986

151.0105,
135.3407, 209.8109

 2.6915, 1.4539,
6.0847

187.0134,
169.5142, 256.5064

 0.9928, 0.2560,
2.8270

228.3271,

 0.0000, 0.0000,

209.0044, 309.6620

1.0070

275.3167,
254.1956, 369.6963

■ 0.0000, 0.0000,
0.0000

■ 37.8689, 30.7689,
58.5867

■ 37.8689, 30.7689,
58.5867

■ 34.0843, 25.1334,
57.6989

■ 42.2310, 37.4775,
59.6522

■ 30.8439, 20.5075,
56.9768

■ 47.1954, 45.3104,
60.9024

■ 28.1153, 16.8268,
56.4102

■ 52.7894, 54.3199,
62.3466

■ 25.8613, 14.0178,
55.9868

■ 59.0372, 64.5541,
63.9927

■ 24.0390, 11.9957,
55.6925

■ 65.9620, 76.0582,
65.8482

■ 22.5970, 10.6585,
55.5104

■ 73.5856, 88.8752,
67.9204

■ 21.8024, 10.0352,
55.4320

■ 75.9139, 91.0158,
68.2108

■ 77.6671, 91.9196,
68.2929

■ 79.4792, 92.8538,
68.3777

Harmonies

Analogous

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



32.6081, 30.7689, 71.8849



37.8689, 30.7689, 58.5867



40.9622, 30.7689, 40.4571

Triad

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



37.8689, 30.7689, 58.5867



31.5820, 30.7689, 11.6316



20.2081, 30.7689, 43.6708

Complementary

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



37.8689, 30.7689, 58.5867



37.8378, 49.6782, 29.7862

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.



20.0068, 30.7689, 27.3937



37.8689, 30.7689, 58.5867



26.1213, 30.7689, 12.0010

Square

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



37.8689, 30.7689, 58.5867



37.0363, 30.7689, 15.6007



22.0410, 30.7689, 16.8472



22.6309, 30.7689, 61.5709

Rectangle

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



37.8689, 30.7689, 58.5867



41.1503, 30.7689, 29.5802



22.0410, 30.7689, 16.8472



19.8906, 30.7689, 37.7562

Sweetspot

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



37.8699, 30.7702, 58.5874



84.8373, 83.4499, 106.2438



31.5069, 31.9732, 59.1549



17.8712, 17.4008, 22.6667



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.



37.8699, 30.7702, 58.5874



60.8287, 46.1833, 100.3160



41.1347, 32.6264, 50.9198



10.7787, 10.6597, 13.4069



13.9541, 6.4279, 35.2496



0.7291, 0.3396, 1.6723

Inverse Universe

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



37.8754, 31.3226, 33.7566



61.0670, 47.4168, 50.1493



35.5476, 48.3837, 34.8243



10.7555, 10.6856, 11.6956



15.6439, 8.0071, 3.3348



0.7726, 0.3919, 0.3256

Previews

White Background



This preview shows how the XYZ color 37.8689, 30.7689, 58.5867 looks on a white background.

Color Contrast Check

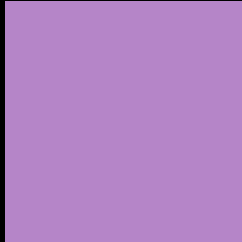
Large Text (above 18pt) WCAG AA × Fail

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 37.8689, 30.7689, 58.5867 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

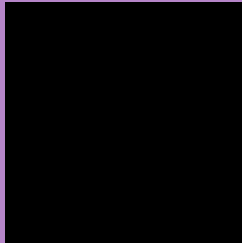
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 37.8689, 30.7689, 58.5867

Background



This preview shows how black text looks on a background with the XYZ color 37.8689, 30.7689, 58.5867.



This preview shows how white text looks on a background with the XYZ color 37.8689, 30.7689,

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

37.8689, 30.7689, 58.5867

Protanopia

31.9912, 31.0737, 66.5991

Deuteranopia

31.6525, 30.8737, 57.1143



Tritanopia

32.8783, 30.6446, 34.3191

Trichromacy



Original Color

37.8689, 30.7689, 58.5867

Protanomaly

33.6021, 30.5885, 63.8077

Deuteranomaly

33.7258, 30.7901, 57.5916

Tritanomaly

34.6198, 30.7146, 42.1341

Monochromacy



Original Color

37.8689, 30.7689, 58.5867

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

33.0942, 31.7002, 42.9026

CSS Examples

Text

The CSS property to change the color of the text to XYZ 37.8689, 30.7689, 58.5867 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(181, 133, 200)` looks like.

```
.text, #text, p{  
    color:rgb(181, 133, 200)  
}
```

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(181, 133, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 133, 200) }
```

Border

The CSS property to change the border of an element to XYZ 37.8689, 30.7689, 58.5867 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(181, 133, 200) }
```


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

```
.border{ border-color:rgb(181, 133, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 133, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 133, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 133, 200);  
box-shadow:4px 4px 4px 4px rgb(181, 133,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 37.8689, 30.7689, 58.5867 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 133, 200) }
```

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

```
.background{ background-color: rgb(181,  
133, 200) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor