

Converting Colors

XYZ(38.4404, 30.8888, 61.5048)

Have a look what the booklet for
XYZ(38.4404, 30.8888, 61.5048)
contains.

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Color

**XYZ(38.3268, 30.7341,
61.6698)**

Conversions

Conversions Part 1

Format	Color
Hex	B584CD
RGB	181, 132, 205
RGB Percent	71%, 52%, 80%
CMY	0.2902, 0.4823, 0.1961
CMYK	0.12, 0.36, 0.00, 0.20
HSL	280°, 42%, 66%
HSV	280°, 36%, 80%
XYZ	38.3268, 30.7341, 61.6698
YIQ	154.9730, 5.7710, 33.0910

Conversions

Conversions Part 2

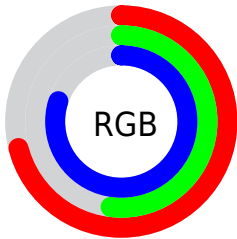
Format	Color
R _Y B	181, 132, 205
Decimal	11896013
CIE Lab	62.28, 31.97, -30.51
CIE LCh	62, 44.190, 316.343
Yxy	30.7341, 0.2932, 0.2351
Android (android.graphics.Color)	4290086093 (0xFFB584CD)
YUV	154.9730, 24.6633, 22.8257
Hunter-Lab	55.4383, 26.3873, -27.1476

Details

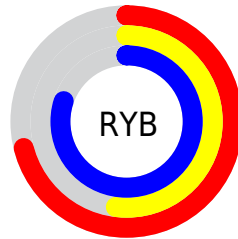
The XYZ color **38.3268, 30.7341, 61.6698** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **39.7074, 52.3972, 29.8521**, and the grayscale version is **31.0373, 32.6537, 35.5598**.

A 20% lighter version of the original color is **70.8688, 60.5150, 102.5531**, and **17.1998, 12.5989, 30.3795** is the 20% darker color. If you saturate the color by 10%, you get **34.2731, 24.9158, 60.7609**, and if you desaturate by 10%, it is **43.0052, 37.6868, 62.7657**.

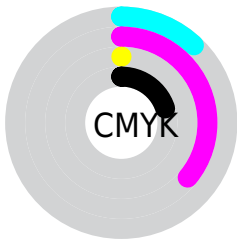
Distribution



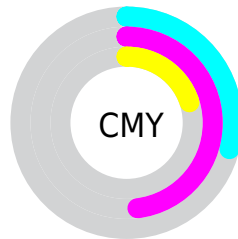
- Red (71%)
- Green (52%)
- Blue (80%)



- Red (71%)
- Yellow (52%)
- Blue (80%)



- Cyan (12%)
- Magenta (36%)
- Yellow (0%)
- Black (20%)





- Cyan (29%)
- Magenta (48%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.3268, 30.7341, 61.6698 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 38.3268, 30.7341, 61.6698 by changing the saturation by 10% instead.


 38.3268, 30.7341,
61.6698


 38.3268, 30.7341,
61.6698

330.2765,
305.3114, 448.7000


 26.4148, 20.3965,
44.3319


 71.9094, 60.8212,
108.8151

 17.2685, 12.6836,
30.5924

 94.3108, 81.3394,
139.4596

 10.5226, 7.2110,
20.0328


 120.9393,
106.0200, 175.3767

 5.8117, 3.5944,
12.2346

152.1603,
135.2473, 216.9849

 2.7705, 1.4494,
6.7792

188.3391,
169.4057, 264.7028

 1.0336, 0.2527,
3.2480

229.8412,

 0.0000, 0.0000,

208.8796, 318.9489

1.2226

277.0319,
254.0534, 380.1418

■ 0.0000, 0.0000,
0.0000

■ 38.3268, 30.7341,
61.6698

■ 38.3268, 30.7341,
61.6698

■ 34.2731, 24.9158,
60.7609

■ 43.0052, 37.6868,
62.7657

■ 30.8079, 20.1631,
60.0262

■ 48.3358, 45.8296,
64.0565

■ 27.8955, 16.4059,
59.4545

■ 54.3480, 55.2192,
65.5520

■ 25.4949, 13.5636,
59.0324

■ 61.0685, 65.9073,
67.2608

■ 23.5585, 11.5426,
58.7443

■ 68.5226, 77.9427,
69.1910

■ 22.0277, 10.2278,
58.5712

■ 76.7325, 91.3691,
71.3498

■ 21.4353, 9.7773,
58.5155

■ 78.8315, 92.4512,
71.4481

■ 81.0139, 93.5763,
71.5502

■ 83.2806, 94.7448,
71.6563

Harmonies

Analogous

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



32.5618, 30.7341, 75.9521



38.3268, 30.7341, 61.6698



41.8437, 30.7341, 41.8402

Triad

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



38.3268, 30.7341, 61.6698



32.0063, 30.7341, 10.6085



19.5247, 30.7341, 43.5914

Complementary

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



38.3268, 30.7341, 61.6698



39.7074, 52.3972, 29.8521

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.



19.4185, 30.7341, 26.2881



38.3268, 30.7341, 61.6698



26.0999, 30.7341, 10.7950

Square

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



38.3268, 30.7341, 61.6698



37.8726, 30.7341, 14.8721



21.6704, 30.7341, 15.5157



21.9836, 30.7341, 63.3221

Rectangle

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



38.3268, 30.7341, 61.6698



42.1676, 30.7341, 29.9625



21.6704, 30.7341, 15.5157



19.2255, 30.7341, 37.2286

Sweetspot

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



38.3278, 30.7354, 61.6705



83.4337, 81.6836, 105.9768



32.4808, 33.2036, 62.4551



17.5729, 17.0392, 22.6126



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.



38.3278, 30.7354, 61.6705



57.4276, 42.6304, 99.8095



43.0360, 33.3257, 54.5196



11.3152, 11.2118, 14.1381



13.4480, 6.1402, 36.4327



0.7716, 0.3569, 1.8832

Inverse Universe

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



39.4298, 31.8832, 35.5296



59.8005, 44.9705, 49.4594



36.3949, 50.5876, 34.2999



11.3619, 11.2735, 12.4402



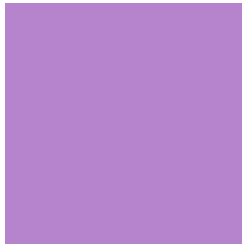
16.3510, 8.3510, 4.3011



0.8785, 0.4448, 0.4061

Previews

White Background



This preview shows how the XYZ color 38.3268, 30.7341, 61.6698 looks on a white background.

Color Contrast Check

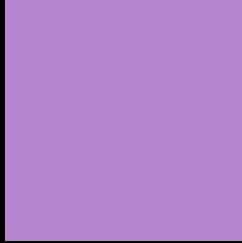
Large Text (above 18pt) WCAG AA × Fail

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 38.3268, 30.7341, 61.6698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

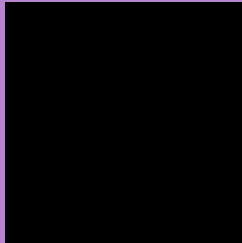
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.3268, 30.7341, 61.6698

Background



This preview shows how black text looks on a background with the XYZ color 38.3268, 30.7341, 61.6698.



This preview shows how white text looks on a background with the XYZ color 38.3268, 30.7341,

61.6698.

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

38.3268, 30.7341, 61.6698

Protanopia

32.1469, 30.8310, 70.5863

Deuteranopia

31.7246, 31.0775, 60.2036



Tritanopia

32.8888, 30.8623, 34.7954

Trichromacy



Original Color

38.3268, 30.7341, 61.6698

Protanomaly

33.7159, 30.3531, 67.0325

Deuteranomaly

33.7388, 30.7290, 60.6530

Tritanomaly

34.6799, 30.7125, 43.6354

Monochromacy



Original Color

38.3268, 30.7341, 61.6698

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

33.2864, 31.7771, 43.9144

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.3268, 30.7341, 61.6698 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, 132, 205)` looks like.

```
.text, #text, p{  
    color:rgb(181, 132, 205)  
}
```

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, 132, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(181, 132, 205) }
```

Border

The CSS property to change the border of an element to XYZ 38.3268, 30.7341, 61.6698 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, 132, 205) }
```


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

```
.border{ border-color:rgb(181, 132, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(181, 132, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(181, 132, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(181, 132, 205);  
box-shadow:4px 4px 4px 4px rgb(181, 132,  
205) }
```

Background

The CSS property to change the background color of an element to XYZ 38.3268, 30.7341, 61.6698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(181, 132, 205) }
```

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

```
.background{ background-color: rgb(181,  
132, 205) }
```

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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