

Converting Colors

XYZ(39.0363, 30.9690, 66.4777)

Have a look what the booklet for
XYZ(39.0363, 30.9690, 66.4777)
contains.

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Color

**XYZ(38.9573, 30.9593,
66.2098)**

Conversions

Conversions Part 1

Format	Color
Hex	B484D4
RGB	180, 132, 212
RGB Percent	71%, 52%, 83%
CMY	0.2941, 0.4823, 0.1686
CMYK	0.15, 0.38, 0.00, 0.17
HSL	276°, 48%, 67%
HSV	276°, 38%, 83%
XYZ	38.9573, 30.9593, 66.2098
YIQ	155.4720, 2.9280, 35.0560

Conversions

Conversions Part 2

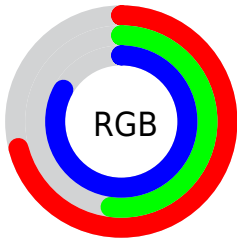
Format	Color
R _Y B	180, 132, 212
Decimal	11830484
CIE Lab	62.47, 33.16, -34.14
CIE LCh	62, 47.597, 314.167
Yxy	30.9593, 0.2862, 0.2274
Android (android.graphics.Color)	4290020564 (0xFFB484D4)
YUV	155.4720, 27.8683, 21.5111
Hunter-Lab	55.6411, 27.6055, -31.6031

Details

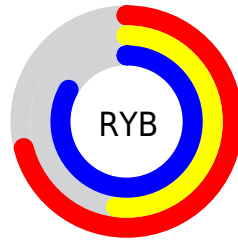
The XYZ color **38.9573, 30.9593, 66.2098** is a light color, and the websafe version is hex **CC99FF**. A complement of this color would be **43.0192, 56.6462, 30.4976**, and the grayscale version is **31.2451, 32.8723, 35.7979**.

A 20% lighter version of the original color is **70.5340, 60.3423, 102.5374**, and **17.6324, 12.7548, 33.4309** is the 20% darker color. If you saturate the color by 10%, you get **34.4553, 24.7962, 65.2580**, and if you desaturate by 10%, it is **44.1664, 38.3554, 67.3633**.

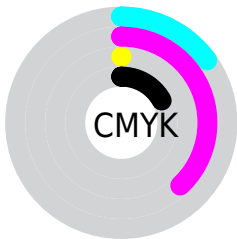
Distribution



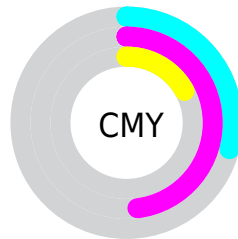
- Red (71%)
- Green (52%)
- Blue (83%)



- Red (71%)
- Yellow (52%)
- Blue (83%)



- Cyan (15%)
- Magenta (38%)
- Yellow (0%)
- Black (17%)




- Cyan (29%)
- Magenta (48%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 38.9573, 30.9593, 66.2098 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 38.9573, 30.9593, 66.2098 by changing the saturation by 10% instead.


 38.9573, 30.9593,
66.2098


 38.9573, 30.9593,
66.2098

332.9192,
306.3508, 465.5515


 26.9071, 20.5679,
47.9852


 72.8676, 61.1760,
115.4173

 17.6397, 12.8085,
33.4552


 95.4583, 81.7700,
147.2372

 10.7897, 7.2968,
22.2014


 122.2933,
106.5337, 184.4260

 5.9919, 3.6484,
13.8053

153.7379,
135.8514, 227.4021

 2.8807, 1.4789,
7.8481

190.1574,
170.1076, 276.5842

 1.0910, 0.2738,
3.9116

231.9173,

 0.0176, 0.0000,

209.6866, 332.3908

1.5770

279.3827,
254.9729, 395.2404

■ 0.0000, 0.0000,
0.2743

■ 0.0000, 0.0000,
0.0000

■ 38.9573, 30.9593,
66.2098

■ 38.9573, 30.9593,
66.2098

■ 34.4553, 24.7962,
65.2580

■ 44.1664, 38.3554,
67.3633

■ 30.6194, 19.7901,
64.4939

■ 50.1140, 47.0471,
68.7275

■ 27.4090, 15.8620,
63.9049

■ 56.8334, 57.0970,
70.3132

■ 24.7770, 12.9213,
63.4760

■ 64.3549, 68.5627,
72.1299

■ 22.6687, 10.8618,
63.1896

■ 72.7070, 81.4981,
74.1865

■ 21.0077, 9.5344,
63.0209

■ 80.5607, 93.2428,
76.0395

■ 20.6660, 9.2809,
62.9900

■ 83.3628, 94.6873,
76.1706

■ 86.2992, 96.2011,
76.3080

■ 88.8838, 97.5335,
76.4290

Harmonies

Analogous

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



32.5721, 30.9593, 81.3067



38.9573, 30.9593, 66.2098



43.0676, 30.9593, 44.3773

Triad

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



38.9573, 30.9593, 66.2098



32.9469, 30.9593, 9.7600



18.9501, 30.9593, 43.1877

Complementary

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



38.9573, 30.9593, 66.2098



43.0192, 56.6462, 30.4976

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.



19.0199, 30.9593, 24.9048



38.9573, 30.9593, 66.2098



26.4891, 30.9593, 9.6433

Square

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



38.9573, 30.9593, 66.2098



39.2661, 30.9593, 14.5011



21.5916, 30.9593, 14.0882



21.3845, 30.9593, 65.0691

Rectangle

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



38.9573, 30.9593, 66.2098



43.6352, 30.9593, 31.1899



21.5916, 30.9593, 14.0882



18.6940, 30.9593, 36.3611

Sweetspot

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



38.9584, 30.9606, 66.2105



82.7373, 81.3246, 105.9442



34.9159, 36.6909, 67.5296



17.4067, 16.9535, 22.6049



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.



38.9584, 30.9606, 66.2105



53.7874, 39.6192, 99.4201



46.4632, 34.9246, 62.2617



12.4501, 12.3734, 15.6696



12.8739, 5.7892, 38.8921



0.8688, 0.3967, 2.3501

Inverse Universe

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



42.1044, 33.1811, 39.3086



59.5335, 43.6409, 51.8238



37.6961, 53.8476, 32.7068



12.6270, 12.5023, 13.9760



17.8157, 9.0626, 6.3337



1.1149, 0.5627, 0.5942

Previews

White Background



This preview shows how the XYZ color 38.9573, 30.9593, 66.2098 looks on a white background.

Color Contrast Check

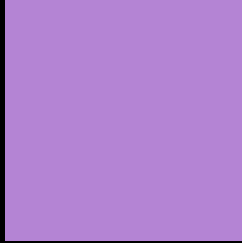
Large Text (above 18pt) WCAG AA × Fail

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 38.9573, 30.9593, 66.2098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

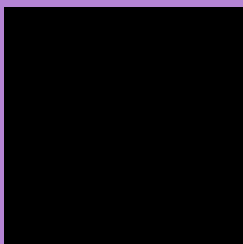
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.9573, 30.9593, 66.2098

Background



This preview shows how black text looks on a background with the XYZ color 38.9573, 30.9593, 66.2098.



This preview shows how white text looks on a background with the XYZ color 38.9573, 30.9593,

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

38.9573, 30.9593, 66.2098

Protanopia

32.9324, 31.3459, 76.2661

Deuteranopia

31.9289, 31.0849, 64.6387



Tritanopia

32.6842, 30.9710, 35.2657

Trichromacy



Original Color

38.9573, 30.9593, 66.2098

Protanomaly

34.5507, 30.8851, 72.5470

Deuteranomaly

34.0330, 30.7821, 65.1206

Tritanomaly

34.6701, 30.8894, 45.2092

Monochromacy



Original Color

38.9573, 30.9593, 66.2098

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

33.5800, 31.8945, 45.4607

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.9573, 30.9593, 66.2098 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(180, 132, 212)` looks like.

```
.text, #text, p{  
    color:rgb(180, 132, 212)  
}
```

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(180, 132, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(180, 132, 212) }
```

Border

The CSS property to change the border of an element to XYZ 38.9573, 30.9593, 66.2098 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(180, 132, 212) }
```


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

```
.border{ border-color:rgb(180, 132, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(180, 132, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(180, 132, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(180, 132, 212);  
box-shadow:4px 4px 4px 4px rgb(180, 132,  
212) }
```

Background

The CSS property to change the background color of an element to XYZ 38.9573, 30.9593, 66.2098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(180, 132, 212) }
```

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

```
.background{ background-color: rgb(180,  
132, 212) }
```

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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