

Converting Colors

XYZ(38.8375, 33.4025, 71.5110)

Have a look what the booklet for
XYZ(38.8375, 33.4025, 71.5110)
contains.

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Color

**XYZ(38.6958, 33.2765,
71.4013)**

Conversions

Conversions Part 1

Format	Color
Hex	A790DB
RGB	167, 144, 219
RGB Percent	65%, 56%, 86%
CMY	0.3451, 0.4353, 0.1412
CMYK	0.24, 0.34, 0.00, 0.14
HSL	258°, 51%, 71%
HSV	258°, 34%, 86%
XYZ	38.6958, 33.2765, 71.4013
YIQ	159.4270, -10.3670, 28.2010

Conversions

Conversions Part 2

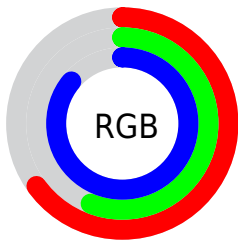
Format	Color
RYB	167, 144, 219
Decimal	10981595
CIELab	64.38, 24.09, -35.16
CIELCh	64, 42.627, 304.417
Yxy	33.2765, 0.2699, 0.2321
Android (android.graphics.Color)	4289171675 (0xFFA790DB)
YUV	159.4270, 29.3695, 6.6415
Hunter-Lab	57.6858, 18.7882, -33.0069

Details

The XYZ color **38.6958, 33.2765, 71.4013** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **53.1314, 64.4131, 36.0196**, and the grayscale version is **33.0241, 34.7440, 37.8362**.

A 20% lighter version of the original color is **68.6755, 63.2961, 103.2055**, and **17.4252, 14.0197, 36.9096** is the 20% darker color. If you saturate the color by 10%, you get **32.6735, 25.7169, 70.2601**, and if you desaturate by 10%, it is **45.7405, 42.3197, 72.7761**.

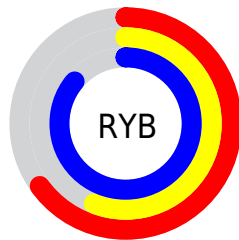
Distribution



Red (65%)

Green (56%)

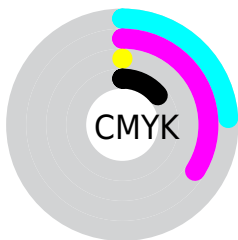
Blue (86%)



Red (65%)

Yellow (56%)

Blue (86%)

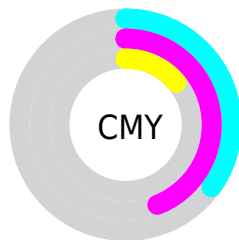


Cyan (24%)

Magenta (34%)

Yellow (0%)

Black (14%)



Cyan (35%)

Magenta (44%)

Yellow (14%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 38.6958, 33.2765, 71.4013 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 38.6958, 33.2765, 71.4013 by changing the saturation by 10% instead.

■ 38.6958, 33.2765,
71.4013

■ 38.6958, 33.2765,
71.4013

331.8249,
316.8938, 484.3765

■ 26.7028, 22.3383,
52.1859

■ 72.4704, 64.8070,
122.9047

■ 17.4856, 14.1057,
36.7700

■ 94.9828, 86.1681,
156.0299

■ 10.6787, 8.1942,
24.7351

121.7323,
111.7723, 194.6287

■ 5.9169, 4.2195,
15.6626

153.0843,
142.0040, 239.1197

■ 2.8348, 1.7971,
9.1339

189.4043,
177.2476, 289.9214

■ 1.0670, 0.4854,
4.7306

231.0574,

■ 0.0000, 0.0000,

217.8875, 347.4524

2.0341

278.4092,
264.3081, 412.1313

■ 0.0000, 0.0000,
0.5762

■ 0.0000, 0.0000,
0.0000

■ 38.6958, 33.2765,
71.4013

■ 38.6958, 33.2765,
71.4013

■ 32.6735, 25.7169,
70.2601

■ 45.7405, 42.3197,
72.7761

■ 27.6197, 19.5554,
69.3372

■ 53.8507, 52.9175,
74.3942

■ 23.4807, 14.7040,
68.6189

■ 63.0713, 65.1411,
76.2676

■ 20.1956, 11.0626,
68.0892

■ 73.4435, 79.0561,
78.4068

■ 17.6953, 8.5159,
67.7294

■ 85.0063, 94.7245,
80.8217

■ 15.8976, 6.9247,
67.5170

■ 89.7863, 97.8945,
81.1816

■ 15.1120, 6.3135,
67.4405

Harmonies

Analogous

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



32.5360, 33.2765, 80.8315



38.6958, 33.2765, 71.4013



43.3689, 33.2765, 52.6710

Triad

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



38.6958, 33.2765, 71.4013



36.9416, 33.2765, 13.6698



21.3588, 33.2765, 38.8689

Complementary

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



38.6958, 33.2765, 71.4013



53.1314, 64.4131, 36.0196

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.



22.2244, 33.2765, 23.6286



38.6958, 33.2765, 71.4013



30.7377, 33.2765, 12.0766

Square

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



38.6958, 33.2765, 71.4013



42.2687, 33.2765, 20.4308



25.4784, 33.2765, 15.0589



22.9427, 33.2765, 58.6041

Rectangle

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



38.6958, 33.2765, 71.4013



44.7270, 33.2765, 39.5830



25.4784, 33.2765, 15.0589



21.3747, 33.2765, 33.0765

Sweetspot

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



38.6970, 33.2778, 71.4021



81.2399, 81.5954, 106.0754



44.1417, 50.7506, 74.4877



17.0013, 16.9523, 22.6260



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.



38.6970, 33.2778, 71.4021



48.4409, 39.1841, 99.6179



47.6622, 37.8996, 71.8216



12.7124, 12.8099, 16.4547



9.0591, 3.7943, 39.9933



0.6735, 0.2904, 2.5950

Inverse Universe

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



49.1514, 38.9933, 57.1613



65.5292, 48.5410, 75.6837



44.6647, 60.0484, 35.6233



13.4355, 13.2033, 15.5545



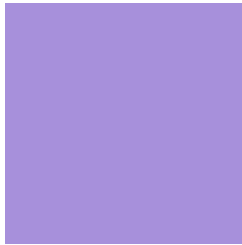
20.7259, 10.2914, 18.7347



1.3805, 0.6819, 1.4128

Previews

White Background



This preview shows how the XYZ color 38.6958, 33.2765, 71.4013 looks on a white background.

Color Contrast Check

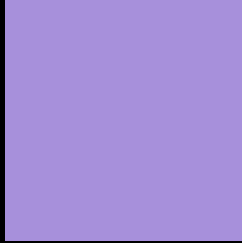
Large Text (above 18pt) WCAG AA × Fail

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 38.6958, 33.2765, 71.4013 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

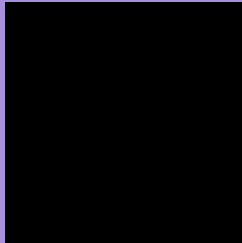
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 38.6958, 33.2765, 71.4013

Background



This preview shows how black text looks on a background with the XYZ color 38.6958, 33.2765, 71.4013.



This preview shows how white text looks on a background with the XYZ color 38.6958, 33.2765,

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

38.6958, 33.2765, 71.4013

Protanopia

34.9364, 33.5628, 77.3100

Deuteranopia

34.2333, 33.3552, 70.2795



Tritanopia

32.6010, 33.4008, 41.2880

Trichromacy



Original Color

38.6958, 33.2765, 71.4013

Protanomaly

36.0379, 33.2143, 75.0326

Deuteranomaly

35.5939, 33.0777, 70.8383

Tritanomaly

34.6275, 33.2555, 51.0483

Monochromacy



Original Color

38.6958, 33.2765, 71.4013

Achromatopsia

32.9542, 34.6704, 37.7561

Achromatomaly

34.7964, 34.1288, 48.4696

CSS Examples

Text

The CSS property to change the color of the text to XYZ 38.6958, 33.2765, 71.4013 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(167, 144, 219)` looks like.

```
.text, #text, p{  
    color:rgb(167, 144, 219)  
}
```

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(167, 144, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(167, 144, 219) }
```

Border

The CSS property to change the border of an element to XYZ 38.6958, 33.2765, 71.4013 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(167, 144, 219) }
```


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

```
.border{ border-color:rgb(167, 144, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(167, 144, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(167, 144, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(167, 144, 219);  
box-shadow:4px 4px 4px 4px rgb(167, 144,  
219) }
```

Background

The CSS property to change the background color of an element to XYZ 38.6958, 33.2765, 71.4013 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(167, 144, 219) }
```

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

```
.background{ background-color: rgb(167,  
144, 219) }
```

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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