

Converting Colors

XYZ(33.5555, 31.3022, 46.6571)

Have a look what the booklet for
XYZ(33.5555, 31.3022, 46.6571)
contains.

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Color

**XYZ(33.5719, 31.3980,
46.9388)**

Conversions

Conversions Part 1

Format	Color
Hex	A491B3
RGB	164, 145, 179
RGB Percent	64%, 57%, 70%
CMY	0.3569, 0.4314, 0.2980
CMYK	0.08, 0.19, 0.00, 0.30
HSL	274°, 18%, 64%
HSV	274°, 19%, 70%
XYZ	33.5719, 31.3980, 46.9388
YIQ	154.5570, 0.4100, 14.6020

Conversions

Conversions Part 2

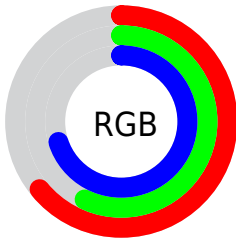
Format	Color
RYB	164, 145, 179
Decimal	10785203
CIELab	62.84, 13.60, -15.15
CIELCh	63, 20.361, 311.921
Yxy	31.3980, 0.3000, 0.2806
Android (android.graphics.Color)	4288975283 (0xFFA491B3)
YUV	154.5570, 12.0504, 8.2815
Hunter-Lab	56.0339, 8.8863, -10.4426

Details

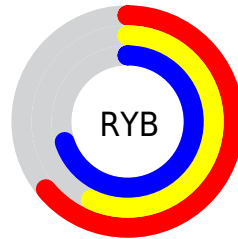
The XYZ color **33.5719, 31.3980, 46.9388** is a light color, and the websafe version is hex **9999CC**. A complement of this color would be **35.7293, 41.7589, 32.9668**, and the grayscale version is **30.9094, 32.5191, 35.4132**.

A 20% lighter version of the original color is **64.6322, 61.9051, 87.1397**, and **14.5402, 13.1355, 21.5077** is the 20% darker color. If you saturate the color by 10%, you get **29.4699, 25.5385, 46.0245**, and if you desaturate by 10%, it is **38.2080, 38.1742, 48.0029**.

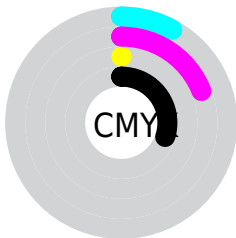
Distribution



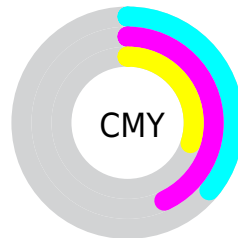
- Red (64%)
- Green (57%)
- Blue (70%)



- Red (64%)
- Yellow (57%)
- Blue (70%)



- Cyan (8%)
- Magenta (19%)
- Yellow (0%)
- Black (30%)



- Cyan (36%)
- Magenta (43%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 33.5719, 31.3980, 46.9388 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 33.5719, 31.3980, 46.9388 by changing the saturation by 10% instead.

■ 33.5719, 31.3980,
46.9388

■ 33.5719, 31.3980,
46.9388

309.8385,
308.3677, 390.9569

■ 22.7262, 20.9021,
32.6333

■ 64.6161, 61.8661,
86.9713

■ 14.5111, 13.0525,
21.5768

■ 85.5454, 82.6072,
113.5353

■ 8.5611, 7.4647,
13.3510

110.5665,
107.5320, 145.0226

■ 4.5108, 3.7544,
7.5371

140.0450,
137.0251, 181.8517

■ 1.9950, 1.5371,
3.7167

174.3460,
171.4709, 224.4412

■ 0.6311, 0.3146,
1.4713

213.8351,

■ 0.0000, 0.0000,

211.2536, 273.2095

0.1964

258.8775,
256.7578, 328.5752

■ 0.0000, 0.0000,
0.0000

■ 33.5719, 31.3980,
46.9388

■ 33.5719, 31.3980,
46.9388

■ 29.4699, 25.5385,
46.0245

■ 38.2080, 38.1742,
48.0029

■ 25.8772, 20.5506,
45.2511

■ 43.3959, 45.9017,
49.2210

■ 22.7712, 16.3912,
44.6119

■ 49.1559, 54.6181,
50.5998

■ 20.1260, 13.0117,
44.0990

■ 55.5066, 64.3577,
52.1451

■ 17.9136, 10.3586,
43.7036

■ 62.4654, 75.1532,
53.8620

16.1019, 8.3711,
43.4154

70.0492, 87.0358,
55.7559

14.6538, 6.9780,
43.2228

73.1958, 89.8789,
56.1388

13.5031, 6.0502,
43.1044

75.6327, 91.1352,
56.2529

13.3951, 5.9655,
43.0937

78.1840, 92.4504,
56.3723

Harmonies

Analogous

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



30.9646, 31.3980, 51.5283



33.5719, 31.3980, 46.9388



35.2379, 31.3980, 39.1795

Triad

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



33.5719, 31.3980, 46.9388



31.5386, 31.3980, 21.5642



24.8962, 31.3980, 37.4594

Complementary

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



33.5719, 31.3980, 46.9388



35.7293, 41.7589, 32.9668

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.



25.0286, 31.3980, 29.6379



33.5719, 31.3980, 46.9388



28.7485, 31.3980, 21.2515

Square

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



33.5719, 31.3980, 46.9388



34.0146, 31.3980, 24.9165



26.4007, 31.3980, 23.9832



26.0270, 31.3980, 45.5118

Rectangle

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



33.5719, 31.3980, 46.9388



35.5313, 31.3980, 33.6748



26.4007, 31.3980, 23.9832



24.7965, 31.3980, 34.7045

Sweetspot

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



33.5729, 31.3993, 46.9395



71.0119, 72.1915, 86.5728



32.4378, 34.5214, 47.6019



15.6042, 15.8035, 19.1502



86.6293, 91.1408, 99.2523



17.0014, 17.8868, 19.4787

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



33.5729, 31.3993, 46.9395



56.7822, 51.4233, 83.3141



36.6825, 33.0221, 46.1930



8.4809, 8.4565, 10.6916



9.5413, 4.2545, 30.4553



0.3659, 0.1677, 0.9613

Inverse Universe

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



35.0621, 32.3740, 37.6601



60.0382, 53.5506, 63.1896



33.0412, 40.3579, 33.5304



8.6469, 8.5655, 9.6391



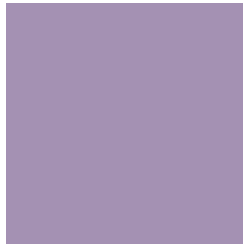
14.1652, 7.1836, 6.0298



0.4752, 0.2378, 0.3451

Previews

White Background



This preview shows how the XYZ color 33.5719, 31.3980, 46.9388 looks on a white background.

Color Contrast Check

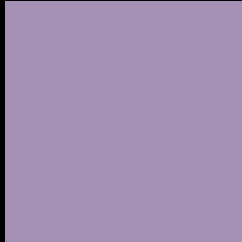
Large Text (above 18pt) WCAG AA × Fail

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 33.5719, 31.3980, 46.9388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

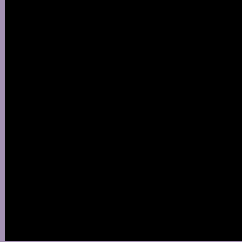
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

XYZ 33.5719, 31.3980, 46.9388

Background



This preview shows how black text looks on a background with the XYZ color 33.5719, 31.3980, 46.9388.



This preview shows how white text looks on a background with the XYZ color 33.5719, 31.3980,

46.9388.

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

33.5719, 31.3980, 46.9388

Protanopia

31.2909, 31.5719, 49.2445

Deuteranopia

31.9522, 31.2642, 46.4700



Tritanopia

31.6330, 31.2949, 37.6310

Trichromacy



Original Color

33.5719, 31.3980, 46.9388

Protanomaly

32.1398, 31.5477, 48.6513

Deuteranomaly

32.5702, 31.3509, 46.4542

Tritanomaly

32.3091, 31.3388, 40.9053

Monochromacy



Original Color

33.5719, 31.3980, 46.9388

Achromatopsia

31.1553, 32.7778, 35.6950

Achromatomaly

31.8680, 32.0827, 39.6349

CSS Examples

Text

The CSS property to change the color of the text to XYZ 33.5719, 31.3980, 46.9388 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(164, 145, 179)` looks like.

```
.text, #text, p{  
    color:rgb(164, 145, 179)  
}
```

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(164, 145, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 145, 179) }
```

Border

The CSS property to change the border of an element to XYZ 33.5719, 31.3980, 46.9388 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(164, 145, 179) }
```


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

```
.border{ border-color:rgb(164, 145, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 145, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 145, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 145, 179);  
box-shadow:4px 4px 4px 4px rgb(164, 145,  
179) }
```

Background

The CSS property to change the background color of an element to XYZ 33.5719, 31.3980, 46.9388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 145, 179) }
```

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

```
.background{ background-color: rgb(164,  
145, 179) }
```

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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