

Converting Colors

XYZ(46.0210, 43.2147, 58.4919)

Have a look what the booklet for
XYZ(46.0210, 43.2147, 58.4919)
contains.

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Color

**XYZ(46.0730, 43.3739,
58.7670)**

Conversions

Conversions Part 1

Format	Color
Hex	C1A8C5
RGB	193, 168, 197
RGB Percent	76%, 66%, 77%
CMY	0.2431, 0.3412, 0.2274
CMYK	0.02, 0.15, 0.00, 0.23
HSL	292°, 20%, 72%
HSV	292°, 15%, 77%
XYZ	46.0730, 43.3739, 58.7670
YIQ	178.7810, 5.5910, 14.3190

Conversions

Conversions Part 2

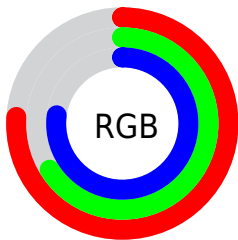
Format	Color
R_{YB}	193, 168, 197
Decimal	12691653
CIE _{Lab}	71.81, 14.29, -11.44
CIE _{LCh}	72, 18.306, 321.306
Yxy	43.3739, 0.3109, 0.2926
Android (android.graphics.Color)	4290881733 (0xFFC1A8C5)
YUV	178.7810, 8.9820, 12.4701
Hunter-Lab	65.8589, 9.6205, -6.8043

Details

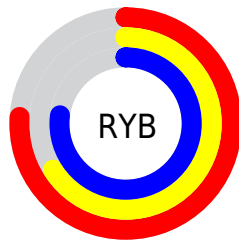
The XYZ color **46.0730, 43.3739, 58.7670** is a light color, and the websafe version is hex **CC99CC**. A complement of this color would be **44.0489, 51.5314, 44.6728**, and the grayscale version is **42.6839, 44.9068, 48.9035**.

A 20% lighter version of the original color is **83.7014, 80.2551, 104.8452**, and **21.8508, 19.9629, 28.6882** is the 20% darker color. If you saturate the color by 10%, you get **42.0221, 36.2904, 57.6139**, and if you desaturate by 10%, it is **50.6902, 51.5696, 60.1062**.

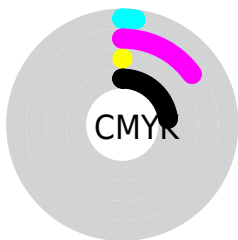
Distribution



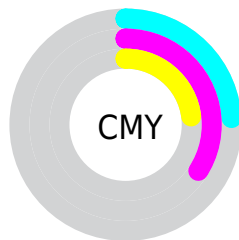
- Red (76%)
- Green (66%)
- Blue (77%)



- Red (76%)
- Yellow (66%)
- Blue (77%)



- Cyan (2%)
- Magenta (15%)
- Yellow (0%)
- Black (23%)





- Cyan (24%)
- Magenta (34%)
- Yellow (23%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 46.0730, 43.3739, 58.7670 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 46.0730, 43.3739, 58.7670 by changing the saturation by 10% instead.


 46.0730, 43.3739,
58.7670


 46.0730, 43.3739,
58.7670


361.8131,
360.1472, 437.7157

 32.5083, 30.1786,
42.0068


 83.5554, 80.2748,
104.5647

 21.9075, 19.9742,
28.7810


 108.2039,
104.7492, 134.4394

 13.9051, 12.3763,
18.6711


137.2776,
133.7520, 169.5225

 8.1360, 7.0005,
11.2584

171.1420,
167.6677, 210.2328

 4.2346, 3.4624,
6.1246

210.1624,
206.8807, 256.9887

 1.8357, 1.3776,
2.8510

254.7041,

 0.5390, 0.2002,

251.7753, 310.2088

1.0191

305.1326,
302.7360, 370.3116

■ 0.0000, 0.0000,
0.0000

■ 46.0730, 43.3739,
58.7670

■ 46.0730, 43.3739,
58.7670

■ 42.0221, 36.2904,
57.6139

■ 50.6902, 51.5696,
60.1062

■ 38.5089, 30.2641,
56.6359

■ 55.8929, 60.9183,
61.6365

■ 35.5079, 25.2437,
55.8250

■ 61.7045, 71.4654,
63.3660

■ 32.9903, 21.1712,
55.1716

■ 68.1456, 83.2525,
65.3016

■ 30.9240, 17.9830,
54.6652

■ 71.4553, 88.7574,
66.1898

■ 29.2731, 15.6074,
54.2936

■ 72.2190, 89.1511,
66.2255

■ 27.9963, 13.9615,
54.0432

■ 72.9960, 89.5516,
66.2619

■ 27.0432, 12.9447,
53.8972

■ 73.7861, 89.9589,
66.2988

■ 26.6187, 12.5582,
53.8450

■ 74.5894, 90.3731,
66.3364

Harmonies

Analogous

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



43.4376, 43.3739, 65.0534



46.0730, 43.3739, 58.7670



47.4261, 43.3739, 49.8640

Triad

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



46.0730, 43.3739, 58.7670



42.1364, 43.3739, 32.2353



35.8998, 43.3739, 53.7293

Complementary

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



46.0730, 43.3739, 58.7670



44.0489, 51.5314, 44.6728

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.



35.5906, 43.3739, 44.6843



46.0730, 43.3739, 58.7670



39.0900, 43.3739, 32.9964

Square

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



46.0730, 43.3739, 58.7670



45.0795, 43.3739, 35.0776



36.7307, 43.3739, 37.3059



37.5978, 43.3739, 61.9000

Rectangle

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



46.0730, 43.3739, 58.7670



47.3741, 43.3739, 43.9470



36.7307, 43.3739, 37.3059



35.6335, 43.3739, 50.6658

Sweetspot

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



46.0743, 43.3758, 58.7679



91.3662, 93.3980, 107.8198



41.0475, 41.9965, 58.7667



19.4120, 19.7335, 23.0358



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.



46.0743, 43.3758, 58.7679



79.8240, 72.9490, 104.4811



45.9835, 43.4588, 52.8956



10.9337, 10.7396, 13.4142



17.5606, 8.2871, 35.4184



0.8722, 0.4134, 1.6790

Inverse Universe

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



44.4764, 42.8560, 44.9595



76.3862, 71.8385, 74.4210



44.1671, 51.4788, 49.8087



10.6925, 10.6604, 11.3638



15.2950, 7.8676, 1.4976



0.7441, 0.3805, 0.1756

Previews

White Background



This preview shows how the XYZ color 46.0730, 43.3739, 58.7670 looks on a white background.

Color Contrast Check

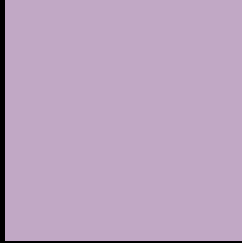
Large Text (above 18pt) WCAG AA × Fail

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 46.0730, 43.3739, 58.7670 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 46.0730, 43.3739, 58.7670

Background



This preview shows how black text looks on a background with the XYZ color 46.0730, 43.3739, 58.7670.



This preview shows how white text looks on a background with the XYZ color 46.0730, 43.3739,

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

46.0730, 43.3739, 58.7670

Protanopia

42.8858, 43.6476, 61.4229

Deuteranopia

44.2939, 43.3017, 58.2481



Tritanopia

44.5123, 43.2865, 51.3565

Trichromacy



Original Color

46.0730, 43.3739, 58.7670

Protanomaly

44.0002, 43.3785, 60.6974

Deuteranomaly

44.8320, 43.2998, 58.2193

Tritanomaly

45.1115, 43.2565, 54.1158

Monochromacy



Original Color

46.0730, 43.3739, 58.7670

Achromatopsia

42.8472, 45.0786, 49.0906

Achromatomaly

43.9601, 44.3955, 52.7066

CSS Examples

Text

The CSS property to change the color of the text to XYZ 46.0730, 43.3739, 58.7670 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(193, 168, 197)` looks like.

```
.text, #text, p{  
    color:rgb(193, 168, 197)  
}
```

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(193, 168, 197) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(193, 168, 197) }
```

Border

The CSS property to change the border of an element to XYZ 46.0730, 43.3739, 58.7670 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(193, 168, 197) }
```


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

```
.border{ border-color:rgb(193, 168, 197) }
```

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

Here you see how a box with a 4 pixel `rgb(193, 168, 197)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(193, 168, 197); -webkit-box-  
shadow:4px 4px 4px 4px rgb(193, 168, 197);  
box-shadow:4px 4px 4px 4px rgb(193, 168,  
197) }
```

Background

The CSS property to change the background color of an element to XYZ 46.0730, 43.3739, 58.7670 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(193, 168, 197) }
```

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

```
.background{ background-color: rgb(193,  
168, 197) }
```

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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