

Converting Colors

XYZ(24.2447, 22.9214, 46.7709)

Have a look what the booklet for
XYZ(24.2447, 22.9214, 46.7709)
contains.

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Color

**XYZ(24.3718, 23.0596,
46.8825)**

Conversions

Conversions Part 1

Format	Color
Hex	7C80B5
RGB	124, 128, 181
RGB Percent	49%, 50%, 71%
CMY	0.5137, 0.4980, 0.2902
CMYK	0.31, 0.29, 0.00, 0.29
HSL	236°, 28%, 60%
HSV	236°, 31%, 71%
XYZ	24.3718, 23.0596, 46.8825
YIQ	132.8460, -19.3970, 15.6350

Conversions

Conversions Part 2

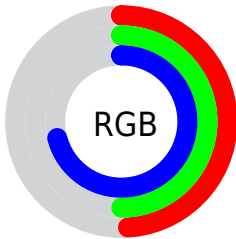
Format	Color
RYB	124, 128, 181
Decimal	8159413
CIELab	55.13, 11.04, -28.38
CIElCh	55, 30.453, 291.261
Yxy	23.0596, 0.2584, 0.2445
Android (android.graphics.Color)	4286349493 (0xFF7C80B5)
YUV	132.8460, 23.7399, -7.7579
Hunter-Lab	48.0204, 6.5584, -24.2708

Details

The XYZ color **24.3718, 23.0596, 46.8825** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **38.4167, 42.7236, 25.2912**, and the grayscale version is **22.1604, 23.3145, 25.3895**.

A 20% lighter version of the original color is **50.1700, 48.6271, 86.8625**, and **9.4399, 8.5669, 21.5781** is the 20% darker color. If you saturate the color by 10%, you get **19.9761, 17.8010, 46.0996**, and if you desaturate by 10%, it is **29.6133, 29.2957, 47.8103**.

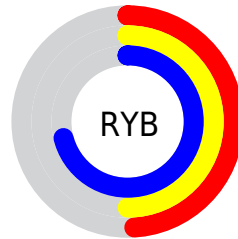
Distribution



Red (49%)

Green (50%)

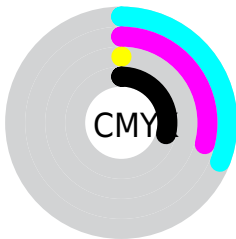
Blue (71%)



Red (49%)

Yellow (50%)

Blue (71%)

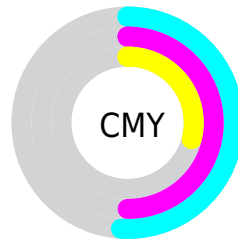


Cyan (31%)

Magenta (29%)

Yellow (0%)

Black (29%)



Cyan (51%)

Magenta (50%)

Yellow (29%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.3718, 23.0596, 46.8825 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 24.3718, 23.0596, 46.8825 by changing the saturation by 10% instead.

■ 24.3718, 23.0596,
46.8825

■ 24.3718, 23.0596,
46.8825

267.1005,
268.0310, 390.7255

■ 15.7359, 14.6375,
32.5891

■ 50.0865, 48.4912,
86.8863

■ 9.4271, 8.5654,
21.5433

■ 67.8960, 66.2695,
113.4339

■ 5.0801, 4.4588,
13.3266

■ 89.4941, 87.9353,
144.9032

■ 2.3296, 1.9334,
7.5205

115.2461,
113.8730, 181.7128

■ 0.8097, 0.5683,
3.7063

145.5174,
144.4670, 224.2813

■ 0.0000, 0.0000,
1.4657

180.6733,

■ 0.0000, 0.0000,

180.1018, 273.0273

0.1922

221.0793,
221.1616, 328.3691

■ 0.0000, 0.0000,
0.0000

■ 24.3718, 23.0596,
46.8825

■ 24.3718, 23.0596,
46.8825

■ 19.9761, 17.8010,
46.0996

■ 29.6133, 29.2957,
47.8103

■ 16.3796, 13.4678,
45.4527

■ 35.7392, 36.5525,
48.8882

■ 13.5348, 10.0071,
44.9347

■ 42.7886, 44.8739,
50.1228

■ 11.3882, 7.3596,
44.5368

■ 50.7977, 54.3006,
51.5202

■ 9.8792, 5.4584,
44.2494

■ 59.8004, 64.8708,
53.0860

■ 8.9367, 4.2262,
44.0612

■ 69.8294, 76.6213,
54.8255

■ 8.4807, 3.6165,
43.9676

■ 80.9156, 89.5869,
56.7438

■ 85.3406, 96.1162,
57.7708

Harmonies

Analogous

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



20.9401, 23.0596, 48.5017



24.3718, 23.0596, 46.8825



27.4161, 23.0596, 38.7247

Triad

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



24.3718, 23.0596, 46.8825



26.2634, 23.0596, 13.1627



16.0756, 23.0596, 22.3721

Complementary

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



24.3718, 23.0596, 46.8825



38.4167, 42.7236, 25.2912

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.



17.2081, 23.0596, 15.1284



24.3718, 23.0596, 46.8825



22.9248, 23.0596, 10.7878

Square

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



24.3718, 23.0596, 46.8825



28.5842, 23.0596, 18.9184



19.6337, 23.0596, 11.4002



16.3773, 23.0596, 32.5188

Rectangle

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



24.3718, 23.0596, 46.8825



28.7017, 23.0596, 31.6087



19.6337, 23.0596, 11.4002



16.2965, 23.0596, 19.5659

Sweetspot

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



24.3726, 23.0605, 46.8830



66.8117, 68.7785, 88.0488



32.6979, 40.4779, 47.2942



14.0661, 14.4232, 18.9648



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.



24.3726, 23.0605, 46.8830



37.8755, 34.3979, 82.9378



27.7164, 24.0249, 46.8929



8.0883, 8.3228, 10.6865



5.8665, 2.5333, 30.3168



0.2003, 0.1112, 0.9591

Inverse Universe

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



30.1606, 25.7983, 23.8129



49.9673, 40.2408, 34.7145



34.1160, 41.6968, 25.3197



8.5198, 8.5146, 8.9695



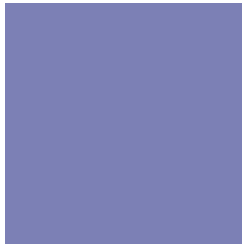
13.1958, 6.7959, 0.9249



0.4231, 0.2170, 0.0710

Previews

White Background



This preview shows how the XYZ color 24.3718, 23.0596, 46.8825 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 24.3718, 23.0596, 46.8825 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 × Fail

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

XYZ 24.3718, 23.0596, 46.8825

Background



This preview shows how black text looks on a background with the XYZ color 24.3718, 23.0596, 46.8825.



This preview shows how white text looks on a background with the XYZ color 24.3718, 23.0596,

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

24.3718, 23.0596, 46.8825

Protanopia

23.7323, 23.0972, 48.0071

Deuteranopia

23.6592, 23.0834, 46.9246



Tritanopia

21.0547, 23.1163, 30.5463

Trichromacy



Original Color

24.3718, 23.0596, 46.8825

Protanomaly

23.9015, 22.9999, 47.4356

Deuteranomaly

23.9365, 23.0298, 46.8997

Tritanomaly

22.1170, 22.9277, 36.0607

Monochromacy



Original Color

24.3718, 23.0596, 46.8825

Achromatopsia

22.2940, 23.4551, 25.5426

Achromatomaly

22.8272, 23.1804, 32.1253

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.3718, 23.0596, 46.8825 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(124, 128, 181)` looks like.

```
.text, #text, p{  
    color:rgb(124, 128, 181)  
}
```

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(124, 128, 181) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(124, 128, 181) }
```

Border

The CSS property to change the border of an element to XYZ 24.3718, 23.0596, 46.8825 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(124, 128, 181) }
```


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

```
.border{ border-color:rgb(124, 128, 181) }
```

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

Here you see how a box with a 4 pixel `rgb(124, 128, 181)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(124, 128, 181); -webkit-box-  
shadow:4px 4px 4px 4px rgb(124, 128, 181);  
box-shadow:4px 4px 4px 4px rgb(124, 128,  
181) }
```

Background

The CSS property to change the background color of an element to XYZ 24.3718, 23.0596, 46.8825 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(124, 128, 181) }
```

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

```
.background{ background-color: rgb(124,  
128, 181) }
```

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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