

Converting Colors

XYZ(23.8117, 22.1063, 50.4156)

Have a look what the booklet for
XYZ(23.8117, 22.1063, 50.4156)
contains.

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Color

**XYZ(23.8819, 22.1496,
50.5935)**

Conversions

Conversions Part 1

Format	Color
Hex	767DBC
RGB	118, 125, 188
RGB Percent	46%, 49%, 74%
CMY	0.5372, 0.5098, 0.2627
CMYK	0.37, 0.34, 0.00, 0.26
HSL	234°, 34%, 60%
HSV	234°, 37%, 74%
XYZ	23.8819, 22.1496, 50.5935
YIQ	130.0890, -24.3950, 18.1090

Conversions

Conversions Part 2

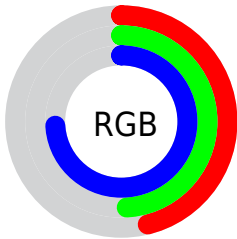
Format	Color
R _Y B	118, 124, 188
Decimal	7765436
CIE Lab	54.19, 12.99, -33.90
CIE LCh	54, 36.302, 290.962
Yxy	22.1496, 0.2472, 0.2292
Android (android.graphics.Color)	4285955516 (0xFF767DBC)
YUV	130.0890, 28.5501, -10.6021
Hunter-Lab	47.0634, 8.2174, -30.7929

Details

The XYZ color **23.8819, 22.1496, 50.5935** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **40.5335, 45.0478, 23.6992**, and the grayscale version is **21.1586, 22.2605, 24.2416**.

A 20% lighter version of the original color is **49.2168, 46.8075, 92.8269**, and **9.1343, 8.0484, 23.6263** is the 20% darker color. If you saturate the color by 10%, you get **19.6162, 17.0374, 49.8320**, and if you desaturate by 10%, it is **29.0229, 28.2555, 51.5015**.

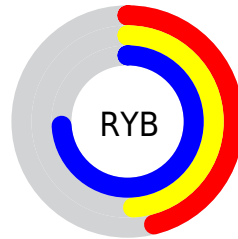
Distribution



Red (46%)

Green (49%)

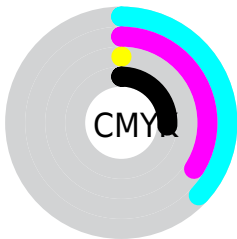
Blue (74%)



Red (46%)

Yellow (49%)

Blue (74%)

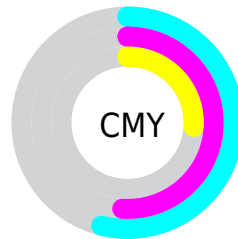


Cyan (37%)

Magenta (34%)

Yellow (0%)

Black (26%)



Cyan (54%)

Magenta (51%)

Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8819, 22.1496, 50.5935 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 23.8819, 22.1496, 50.5935 by changing the saturation by 10% instead.

■ 23.8819, 22.1496,
50.5935

■ 23.8819, 22.1496,
50.5935

264.6744,
263.3265, 405.7837

■ 15.3703, 13.9669,
35.5107

■ 49.2935, 46.9931,
92.4590

■ 9.1677, 8.0976,
23.7699

■ 66.9242, 64.4227,
120.0787

■ 4.9087, 4.1575,
14.9524

■ 88.3253, 85.7034,
152.7145

■ 2.2280, 1.7620,
8.6397

113.8622,
111.2195, 190.7850

■ 0.7574, 0.4633,
4.4133

143.9002,
141.3555, 234.7086

■ 0.0000, 0.0000,
1.8547

178.8046,

■ 0.0000, 0.0000,

176.4957, 284.9039

0.4637

218.9409,
217.0246, 341.7894

■ 0.0000, 0.0000,
0.0000

■ 23.8819, 22.1496,
50.5935

■ 23.8819, 22.1496,
50.5935

■ 19.6162, 17.0374,
49.8320

■ 29.0229, 28.2555,
51.5015

■ 16.1745, 12.8638,
49.2078

■ 35.0819, 35.4014,
52.5615

■ 13.5039, 9.5721,
48.7132

■ 42.1016, 43.6337,
53.7805

■ 11.5443, 7.0984,
48.3390

■ 50.1213, 52.9950,
55.1647

■ 10.2263, 5.3699,
48.0748

■ 59.1782, 63.5259,
56.7200

■ 9.4583, 4.2965,
47.9081

■ 69.3076, 75.2649,
58.4520

■ 9.3067, 4.0898,
47.8762

■ 80.5430, 88.2487,
60.3659

■ 86.0772, 96.4109,
61.6497

Harmonies

Analogous

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



19.8843, 22.1496, 52.5302



23.8819, 22.1496, 50.5935



27.5048, 22.1496, 40.5331

Triad

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



23.8819, 22.1496, 50.5935



26.1957, 22.1496, 10.8815



14.4199, 22.1496, 20.8658

Complementary

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



23.8819, 22.1496, 50.5935



40.5335, 45.0478, 23.6992

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.



15.6975, 22.1496, 12.8671



23.8819, 22.1496, 50.5935



22.2656, 22.1496, 8.4052

Square

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



23.8819, 22.1496, 50.5935



28.9523, 22.1496, 17.1557



18.4559, 22.1496, 8.9966



14.7388, 22.1496, 32.7453

Rectangle

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



23.8819, 22.1496, 50.5935



29.0601, 22.1496, 31.9124



18.4559, 22.1496, 8.9966



14.6703, 22.1496, 17.7075

Sweetspot

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



23.8827, 22.1504, 50.5940



71.0677, 72.9493, 96.5612



33.7956, 43.1547, 50.2650



14.9106, 15.2511, 20.7004



90.7827, 95.5105, 104.0109



18.6292, 19.5994, 21.3438

Same Dimension

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



23.8827, 22.1504, 50.5940



36.6106, 32.1531, 90.5028



27.4104, 22.6996, 50.5141



9.0912, 9.3748, 12.0026



6.3626, 2.8370, 32.6052



0.2753, 0.1633, 1.2859

Inverse Universe

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



30.9198, 25.1297, 22.6237



51.3618, 38.6688, 31.8105



35.7511, 44.7485, 23.8935



9.5679, 9.5515, 10.1136



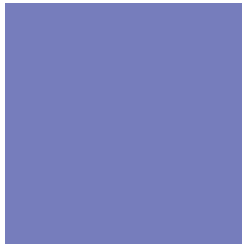
14.2123, 7.3161, 1.1458



0.5699, 0.2918, 0.1142

Previews

White Background



This preview shows how the XYZ color 23.8819, 22.1496, 50.5935 looks on a white background.

Color Contrast Check

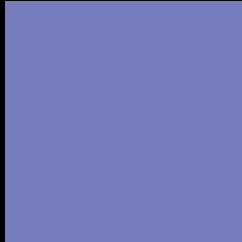
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8819, 22.1496, 50.5935 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

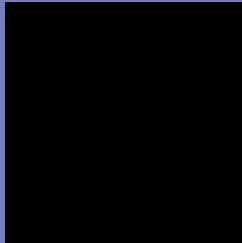
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.8819, 22.1496, 50.5935

Background



This preview shows how black text looks on a background with the XYZ color 23.8819, 22.1496, 50.5935.



This preview shows how white text looks on a background with the XYZ color 23.8819, 22.1496,

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

23.8819, 22.1496, 50.5935

Protanopia

23.1903, 22.1477, 51.7679

Deuteranopia

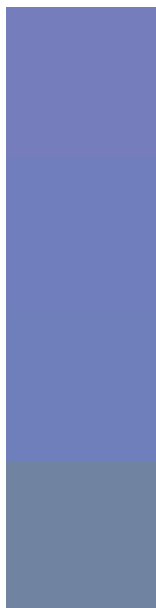
22.6327, 22.0904, 50.0847



Tritanopia

19.7435, 22.2520, 29.6400

Trichromacy



Original Color

23.8819, 22.1496, 50.5935

Protanomaly

23.3283, 22.0406, 51.1688

Deuteranomaly

22.9894, 22.0816, 50.0642

Tritanomaly

21.1436, 22.2154, 36.4313

Monochromacy



Original Color

23.8819, 22.1496, 50.5935

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.9093, 22.1083, 32.3907

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8819, 22.1496, 50.5935 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(118, 125, 188)` looks like.

```
.text, #text, p{  
    color:rgb(118, 125, 188)  
}
```

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(118, 125, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(118, 125, 188) }
```

Border

The CSS property to change the border of an element to XYZ 23.8819, 22.1496, 50.5935 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(118, 125, 188) }
```


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

```
.border{ border-color:rgb(118, 125, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(118, 125, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(118, 125, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(118, 125, 188);  
box-shadow:4px 4px 4px 4px rgb(118, 125,  
188) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8819, 22.1496, 50.5935 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(118, 125, 188) }
```

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

```
.background{ background-color: rgb(118,  
125, 188) }
```

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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