

Converting Colors

XYZ(22.9728, 18.0048, 75.6641)

Have a look what the booklet for
XYZ(22.9728, 18.0048, 75.6641)
contains.

XYZ(23.0076, 18.0481, 75.6698)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(23.0076, 18.0481,
75.6698)**

Conversions

Conversions Part 1

Format	Color
Hex	556BE4
RGB	85, 107, 228
RGB Percent	33%, 42%, 89%
CMY	0.6666, 0.5804, 0.1059
CMYK	0.63, 0.53, 0.00, 0.11
HSL	231°, 73%, 61%
HSV	231°, 63%, 89%
XYZ	23.0076, 18.0481, 75.6698
YIQ	114.2160, -51.9530, 32.9670

Conversions

Conversions Part 2

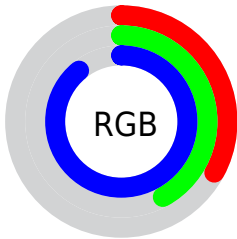
Format	Color
R _Y B	85, 104, 228
Decimal	5598180
CIE Lab	49.55, 29.05, -64.13
CIE LCh	50, 70.402, 294.370
Yxy	18.0481, 0.1971, 0.1546
Android (android.graphics.Color)	4283788260 (0xFF556BE4)
YUV	114.2160, 56.0955, -25.6224
Hunter-Lab	42.4831, 22.3251, -75.8678

Details

The XYZ color **23.0076, 18.0481, 75.6698** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **55.7084, 61.2966, 17.4913**, and the grayscale version is **15.9080, 16.7365, 18.2260**.

A 20% lighter version of the original color is **42.3095, 37.8768, 99.6887**, and **9.0623, 6.2103, 39.7508** is the 20% darker color. If you saturate the color by 10%, you get **19.4691, 13.5638, 74.9912**, and if you desaturate by 10%, it is **27.6632, 23.7746, 76.5302**.

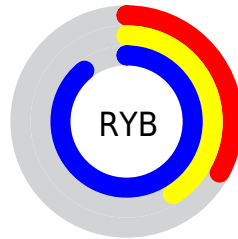
Distribution



Red (33%)

Green (42%)

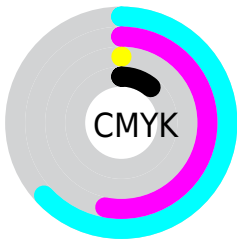
Blue (89%)



Red (33%)

Yellow (41%)

Blue (89%)

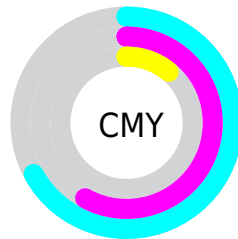


Cyan (63%)

Magenta (53%)

Yellow (0%)

Black (11%)



Cyan (67%)

Magenta (58%)

Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.0076, 18.0481, 75.6698 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 23.0076, 18.0481, 75.6698 by changing the saturation by 10% instead.

■ 23.0076, 18.0481,
75.6698

■ 23.0076, 18.0481,
75.6698

260.2986,
241.1420, 499.5333

■ 14.7198, 10.9845,
55.6568

■ 47.8724, 40.1193,
129.0158

■ 8.7080, 6.0564,
39.5256

■ 65.1801, 55.8957,
163.1859

■ 4.6068, 2.8794,
26.8579

■ 86.2252, 75.3451,
202.9121

■ 2.0508, 1.0691,
17.2350

■ 111.3730, 98.8520,
248.6129

■ 0.6623, 0.0000,
10.2385

140.9889,
126.8007, 300.7069

■ 0.0000, 0.0000,
5.4497

175.4382,

■ 0.0000, 0.0000,

159.5757, 359.6126

2.4501

215.0864,
197.5614, 425.7486

■ 0.0000, 0.0000,
0.8136

■ 0.0000, 0.0000,
0.0000

■ 23.0076, 18.0481,
75.6698

■ 23.0076, 18.0481,
75.6698

■ 19.4691, 13.5638,
74.9912

■ 27.6632, 23.7746,
76.5302

■ 16.9481, 10.2253,
74.4796

■ 33.5185, 30.8263,
77.5827

■ 15.3312, 7.9238,
74.1206

■ 40.6513, 39.2808,
78.8386

■ 14.6067, 6.8075,
73.9433

■ 49.1319, 49.2092,
80.3080

■ 59.0255, 60.6777,
82.0002

■ 70.3930, 73.7484,
83.9240

■ 83.2916, 88.4801,
86.0877

■ 91.0037, 98.3815,
87.5923

Harmonies

Analogous

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



15.9268, 18.0481, 83.5304



23.0076, 18.0481, 75.6698



29.8291, 18.0481, 49.7448

Triad

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



23.0076, 18.0481, 75.6698



25.7603, 18.0481, 2.3650



7.2963, 18.0481, 16.2645

Complementary

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



23.0076, 18.0481, 75.6698



55.7084, 61.2966, 17.4913

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.



8.7004, 18.0481, 5.0827



23.0076, 18.0481, 75.6698



18.4430, 18.0481, 1.0793

Square

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



23.0076, 18.0481, 75.6698



31.6852, 18.0481, 8.0597



12.3887, 18.0481, 1.5910



7.9247, 18.0481, 39.0321

Rectangle

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



23.0076, 18.0481, 75.6698



32.7021, 18.0481, 31.2982



12.3887, 18.0481, 1.5910



7.5320, 18.0481, 11.3252

Sweetspot

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



23.0085, 18.0486, 75.6703



67.7036, 68.5147, 104.2640



42.4099, 61.7865, 66.9235



13.7383, 13.7898, 22.1876



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.



23.0085, 18.0486, 75.6703



24.0769, 16.1592, 96.4578



26.8740, 17.0596, 75.2757



13.7609, 14.2432, 18.1683



8.4886, 4.0393, 42.7154



0.6827, 0.4093, 3.1750

Inverse Universe

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



37.8981, 24.0539, 16.5555



45.0424, 25.6919, 12.9792



48.2844, 65.8869, 18.7686



14.4669, 14.4039, 15.3931



18.6782, 9.6055, 1.9342



1.4082, 0.7210, 0.2902

Previews

White Background



This preview shows how the XYZ color 23.0076, 18.0481, 75.6698 looks on a white background.

Color Contrast Check

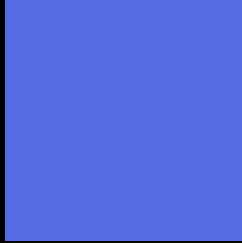
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 23.0076, 18.0481, 75.6698 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

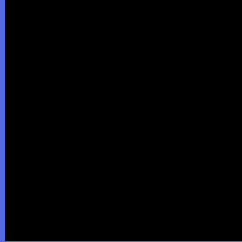
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.0076, 18.0481, 75.6698

Background



This preview shows how black text looks on a background with the XYZ color 23.0076, 18.0481, 75.6698.



This preview shows how white text looks on a background with the XYZ color 23.0076, 18.0481,

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

23.0076, 18.0481, 75.6698

Protanopia

21.5602, 18.1485, 80.9639

Deuteranopia

18.2251, 18.0364, 62.8424



Tritanopia

13.3114, 17.9690, 27.5777

Trichromacy



Original Color

23.0076, 18.0481, 75.6698

Protanomaly

21.7181, 17.9520, 78.6643

Deuteranomaly

19.0905, 17.5106, 67.3395

Tritanomaly

15.8051, 17.4376, 41.5625

Monochromacy



Original Color

23.0076, 18.0481, 75.6698

Achromatopsia

15.9940, 16.8269, 18.3245

Achromatomaly

17.1944, 16.6190, 33.3119

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.0076, 18.0481, 75.6698 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(85, 107, 228)` looks like.

```
.text, #text, p{  
    color:rgb(85, 107, 228)  
}
```

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(85, 107, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(85, 107, 228) }
```

Border

The CSS property to change the border of an element to XYZ 23.0076, 18.0481, 75.6698 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(85, 107, 228) }
```


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

```
.border{ border-color:rgb(85, 107, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(85, 107, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(85, 107, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(85, 107, 228);  
box-shadow:4px 4px 4px 4px rgb(85, 107,  
228) }
```

Background

The CSS property to change the background color of an element to XYZ 23.0076, 18.0481, 75.6698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(85, 107, 228) }
```

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

```
.background{ background-color: rgb(85, 107,  
228) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor