

Converting Colors

XYZ(23.7699, 18.3867, 79.0480)

Have a look what the booklet for
XYZ(23.7699, 18.3867, 79.0480)
contains.

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Color

**XYZ(23.8034, 18.3770,
79.3833)**

Conversions

Conversions Part 1

Format	Color
Hex	566BE9
RGB	86, 107, 233
RGB Percent	34%, 42%, 91%
CMY	0.6627, 0.5804, 0.0863
CMYK	0.63, 0.54, 0.00, 0.09
HSL	231°, 77%, 63%
HSV	231°, 63%, 91%
XYZ	23.8034, 18.3770, 79.3833
YIQ	115.0850, -52.9620, 34.7340

Conversions

Conversions Part 2

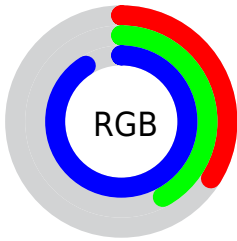
Format	Color
R _{YB}	86, 104, 233
Decimal	5663721
CIE _{Lab}	49.95, 30.90, -66.30
CIE _{LCh}	50, 73.144, 294.986
Yxy	18.3770, 0.1958, 0.1512
Android (android.graphics.Color)	4283853801 (0xFF566BE9)
YUV	115.0850, 58.1321, -25.5075
Hunter-Lab	42.8684, 24.0954, -79.7848

Details

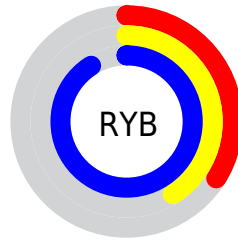
The XYZ color **23.8034, 18.3770, 79.3833** is a dark color, and the websafe version is hex **6666CC**. The color can be described as middle muted azure. A complement of this color would be **58.8300, 65.0867, 18.2681**, and the grayscale version is **16.1632, 17.0050, 18.5184**.

A 20% lighter version of the original color is **42.6713, 38.0633, 99.7057**, and **9.4523, 6.3663, 41.8049** is the 20% darker color. If you saturate the color by 10%, you get **20.1498, 13.7513, 78.6835**, and if you desaturate by 10%, it is **28.6386, 24.3258, 80.2771**.

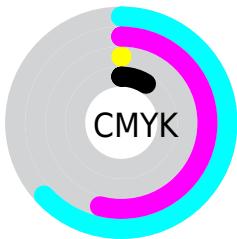
Distribution



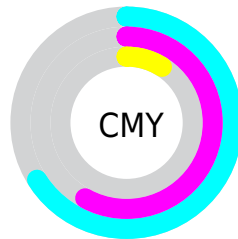
- Red (34%)
- Green (42%)
- Blue (91%)



- Red (34%)
- Yellow (41%)
- Blue (91%)



- Cyan (63%)
- Magenta (54%)
- Yellow (0%)
- Black (9%)



- Cyan (66%)
- Magenta (58%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 23.8034, 18.3770, 79.3833 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 23.8034, 18.3770, 79.3833 by changing the saturation by 10% instead.

■ 23.8034, 18.3770,
79.3833

■ 23.8034, 18.3770,
79.3833

264.2840,
242.9875, 512.5039

■ 15.3118, 11.2210,
58.6878

■ 49.1662, 40.6787,
134.3019

■ 9.1262, 6.2157,
41.9435

■ 66.7681, 56.5931,
169.3621

■ 4.8814, 2.9767,
28.7318

■ 88.1375, 76.1959,
210.0476

■ 2.2119, 1.1196,
18.6342

■ 113.6397, 99.8713,
256.7770

■ 0.7490, 0.0000,
11.2321

143.6401,
128.0038, 309.9688

■ 0.0000, 0.0000,
6.1071

178.5040,

■ 0.0000, 0.0000,

160.9777, 370.0415

2.8405

218.5969,
199.1775, 437.4137

■ 0.0000, 0.0000,
1.0138

■ 0.0000, 0.0000,
0.0000

■ 23.8034, 18.3770,
79.3833

■ 23.8034, 18.3770,
79.3833

■ 20.1498, 13.7513,
78.6835

■ 28.6386, 24.3258,
80.2771

■ 17.5707, 10.3435,
78.1616

■ 34.7444, 31.6884,
81.3764

■ 15.9434, 8.0340,
77.8016

■ 42.2043, 40.5493,
82.6936

■ 15.2596, 6.9863,
77.6354

■ 51.0937, 50.9859,
84.2395

■ 61.4825, 63.0700,
86.0245

■ 73.4361, 76.8692,
88.0579

■ 87.0156, 92.4469,
90.3490

■ 91.7081, 98.6632,
91.3016

Harmonies

Analogous

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



16.3147, 18.3770, 88.3905



23.8034, 18.3770, 79.3833



31.0001, 18.3770, 51.3488

Triad

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



23.8034, 18.3770, 79.3833



26.4013, 18.3770, 2.1196



7.1840, 18.3770, 16.8209

Complementary

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



23.8034, 18.3770, 79.3833



58.8300, 65.0867, 18.2681

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.



8.5877, 18.3770, 5.0250



23.8034, 18.3770, 79.3833



18.6718, 18.3770, 0.9268

Square

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



23.8034, 18.3770, 79.3833



32.7597, 18.3770, 7.7293



12.3682, 18.3770, 1.4503



7.8744, 18.3770, 41.1533

Rectangle

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



23.8034, 18.3770, 79.3833



33.9940, 18.3770, 31.7720



12.3682, 18.3770, 1.4503



7.4124, 18.3770, 11.5807

Sweetspot

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



23.8043, 18.3775, 79.3838



67.5690, 68.2456, 104.2192



44.7294, 64.9577, 71.7768



13.7065, 13.7260, 22.1769



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.



23.8043, 18.3775, 79.3838



23.5490, 15.3428, 96.3280



28.4278, 17.8970, 79.0474



14.4047, 14.8959, 19.0382



8.7118, 4.0707, 44.0695



0.7383, 0.4282, 3.4786

Inverse Universe

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



39.5867, 25.0421, 16.6572



44.7175, 25.3381, 11.9581



50.0051, 68.8409, 19.4578



15.1531, 15.0891, 16.0915



19.2526, 9.9037, 1.8658



1.5392, 0.7886, 0.2907

Previews

White Background



This preview shows how the XYZ color 23.8034, 18.3770, 79.3833 looks on a white background.

Color Contrast Check

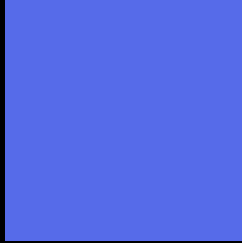
Large Text (above 18pt) WCAG AA ✓ Pass

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 23.8034, 18.3770, 79.3833 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

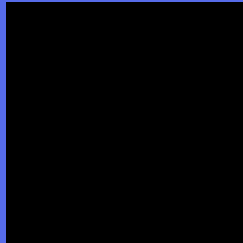
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 23.8034, 18.3770, 79.3833

Background



This preview shows how black text looks on a background with the XYZ color 23.8034, 18.3770, 79.3833.

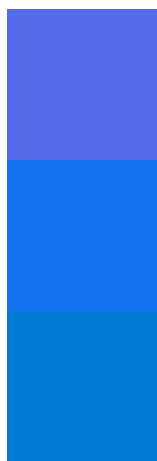


This preview shows how white text looks on a background with the XYZ color 23.8034, 18.3770,

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

23.8034, 18.3770, 79.3833

Protanopia

22.1830, 18.5342, 85.6274

Deuteranopia

18.4702, 18.3279, 63.5369



Tritanopia

13.4175, 18.2117, 28.0073

Trichromacy



Original Color

23.8034, 18.3770, 79.3833

Protanomaly

22.1558, 18.0774, 83.2105

Deuteranomaly

19.4654, 17.8440, 68.7480

Tritanomaly

16.0157, 17.7051, 42.6177

Monochromacy



Original Color

23.8034, 18.3770, 79.3833

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.6746, 17.0000, 34.6975

CSS Examples

Text

The CSS property to change the color of the text to XYZ 23.8034, 18.3770, 79.3833 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(86, 107, 233)` looks like.

```
.text, #text, p{  
    color:rgb(86, 107, 233)  
}
```

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(86, 107, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(86, 107, 233) }
```

Border

The CSS property to change the border of an element to XYZ 23.8034, 18.3770, 79.3833 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(86, 107, 233) }
```


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

```
.border{ border-color:rgb(86, 107, 233) }
```

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

Here you see how a box with a 4 pixel rgb(86, 107, 233) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(86, 107, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(86, 107, 233);  
box-shadow:4px 4px 4px 4px rgb(86, 107,  
233) }
```

Background

The CSS property to change the background color of an element to XYZ 23.8034, 18.3770, 79.3833 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(86, 107, 233) }
```

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

```
.background{ background-color: rgb(86, 107,  
233) }
```

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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