

Converting Colors

XYZ(21.5868, 18.3760, 56.4420)

Have a look what the booklet for
XYZ(21.5868, 18.3760, 56.4420)
contains.

XYZ(21.5868, 18.3760, 56.4420)	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(21.5868, 18.3760,
56.4420)**

Conversions

Conversions Part 1

Format	Color
Hex	676FC7
RGB	103, 111, 199
RGB Percent	40%, 44%, 78%
CMY	0.5961, 0.5647, 0.2196
CMYK	0.48, 0.44, 0.00, 0.22
HSL	235°, 46%, 59%
HSV	235°, 48%, 78%
XYZ	21.5868, 18.3760, 56.4420
YIQ	118.6400, -33.0160, 25.6720

Conversions

Conversions Part 2

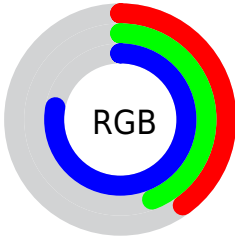
Format	Color
R_{YB}	103, 110, 199
Decimal	6778823
CIE _{Lab}	49.95, 20.80, -46.96
CIE _{LCh}	50, 51.356, 293.890
Yxy	18.3760, 0.2239, 0.1906
Android (android.graphics.Color)	4284968903 (0xFF676FC7)
YUV	118.6400, 39.6175, -13.7163
Hunter-Lab	42.8672, 14.8702, -48.0583

Details

The XYZ color **21.5868, 18.3760, 56.4420** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **44.6333, 50.3847, 20.2060**, and the grayscale version is **17.3082, 18.2096, 19.8302**.

A 20% lighter version of the original color is **45.2684, 40.4316, 100.0259**, and **7.9496, 6.2383, 27.1707** is the 20% darker color. If you saturate the color by 10%, you get **17.7787, 13.7538, 55.7509**, and if you desaturate by 10%, it is **26.3460, 24.0923, 57.2949**.

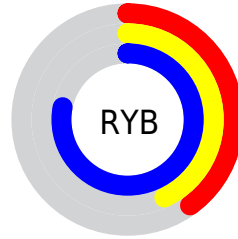
Distribution



Red (40%)

Green (44%)

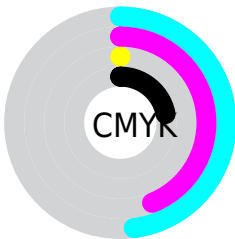
Blue (78%)



Red (40%)

Yellow (43%)

Blue (78%)

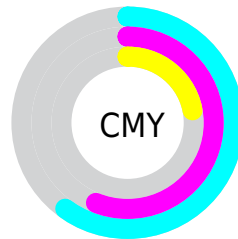


Cyan (48%)

Magenta (44%)

Yellow (0%)

Black (22%)



Cyan (60%)

Magenta (56%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 21.5868, 18.3760, 56.4420 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 21.5868, 18.3760, 56.4420 by changing the saturation by 10% instead.

■ 21.5868, 18.3760,
56.4420

■ 21.5868, 18.3760,
56.4420

253.0539,
242.9819, 428.7901

■ 13.6685, 11.2203,
40.1510

■ 45.5461, 40.6770,
101.1428

■ 7.9706, 6.2152,
27.3416

■ 62.3177, 56.5910,
130.3897

■ 4.1278, 2.9764,
17.5953

■ 82.7713, 76.1933,
164.7923

■ 1.7747, 1.1194,
10.4934

■ 107.2720, 99.8682,
204.7692

■ 0.5023, 0.0000,
5.6174

136.1853,
128.0001, 250.7388

■ 0.0000, 0.0000,
2.5489

169.8764,

■ 0.0000, 0.0000,

160.9734, 303.1199

0.8659

208.7109,
199.1726, 362.3308

■ 0.0000, 0.0000,
0.0000

■ 21.5868, 18.3760,
56.4420

■ 21.5868, 18.3760,
56.4420

■ 17.7787, 13.7538,
55.7509

■ 26.3460, 24.0923,
57.2949

■ 14.8553, 10.1540,
55.2101

■ 32.1123, 30.9647,
58.3175

■ 12.7455, 7.4988,
54.8089

■ 38.9397, 39.0528,
59.5188

■ 11.3657, 5.6988,
54.5341

■ 46.8779, 48.4113,
60.9068

■ 10.5992, 4.6391,
54.3700

■ 55.9734, 59.0917,
62.4889

■ 10.5028, 4.5115,
54.3504

■ 66.2701, 71.1429,
64.2723

■ 77.8096, 84.6108,
66.2637

■ 87.3089, 96.9035,
68.1358

Harmonies

Analogous

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



16.4775, 18.3760, 60.8833



21.5868, 18.3760, 56.4420



26.2840, 18.3760, 40.6160

Triad

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



21.5868, 18.3760, 56.4420



23.6598, 18.3760, 5.1258



9.6429, 18.3760, 17.2591

Complementary

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



21.5868, 18.3760, 56.4420



44.6333, 50.3847, 20.2060

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.



10.8801, 18.3760, 7.9064



21.5868, 18.3760, 56.4420



18.4929, 18.3760, 3.3454

Square

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



21.5868, 18.3760, 56.4420



27.6295, 18.3760, 10.9149



13.9058, 18.3760, 4.0477



10.1616, 18.3760, 33.1183

Rectangle

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



21.5868, 18.3760, 56.4420



28.2302, 18.3760, 28.5134



13.9058, 18.3760, 4.0477



9.8585, 18.3760, 13.3889

Sweetspot

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



21.5875, 18.3766, 56.4425



73.5479, 74.7149, 105.1528



35.4217, 47.4926, 56.5908



15.1102, 15.2462, 22.3964



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.



21.5875, 18.3766, 56.4425



30.7725, 23.6461, 97.5500



26.4878, 19.6649, 56.4328



10.1265, 10.4271, 13.3964



6.7805, 2.9548, 34.9573



0.3462, 0.1901, 1.6636

Inverse Universe

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



31.2734, 22.9913, 17.8289



49.8632, 33.1383, 21.3539



37.1705, 49.1977, 20.3702



10.6691, 10.6510, 11.2410



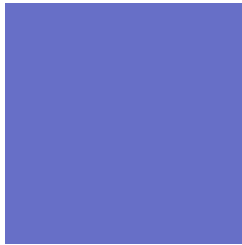
15.2218, 7.8383, 1.1119



0.7334, 0.3762, 0.1194

Previews

White Background



This preview shows how the XYZ color 21.5868, 18.3760, 56.4420 looks on a white background.

Color Contrast Check

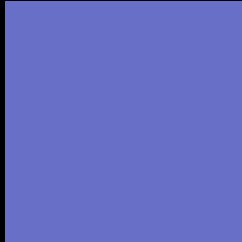
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.5868, 18.3760, 56.4420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

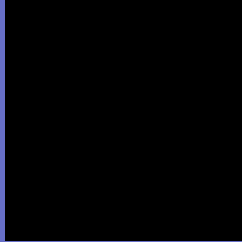
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 21.5868, 18.3760, 56.4420

Background



This preview shows how black text looks on a background with the XYZ color 21.5868, 18.3760, 56.4420.



This preview shows how white text looks on a background with the XYZ color 21.5868, 18.3760,

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

21.5868, 18.3760, 56.4420

Protanopia

20.3331, 18.5081, 59.0007

Deuteranopia

18.9216, 18.3831, 55.3743



Tritanopia

15.3629, 18.3013, 25.6445

Trichromacy



Original Color

21.5868, 18.3760, 56.4420

Protanomaly

20.7025, 18.3736, 58.3324

Deuteranomaly

19.6629, 18.2303, 55.9085

Tritanomaly

17.2024, 18.1257, 34.9397

Monochromacy



Original Color

21.5868, 18.3760, 56.4420

Achromatopsia

17.5343, 18.4475, 20.0893

Achromatomaly

18.4007, 18.1396, 30.5484

CSS Examples

Text

The CSS property to change the color of the text to XYZ 21.5868, 18.3760, 56.4420 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(103, 111, 199)` looks like.

```
.text, #text, p{  
    color:rgb(103, 111, 199)  
}
```

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(103, 111, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(103, 111, 199) }
```

Border

The CSS property to change the border of an element to XYZ 21.5868, 18.3760, 56.4420 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(103, 111, 199) }
```


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

```
.border{ border-color:rgb(103, 111, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(103, 111, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(103, 111, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(103, 111, 199);  
box-shadow:4px 4px 4px 4px rgb(103, 111,  
199) }
```

Background

The CSS property to change the background color of an element to XYZ 21.5868, 18.3760, 56.4420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(103, 111, 199) }
```

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

```
.background{ background-color: rgb(103,  
111, 199) }
```

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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