

Converting Colors

XYZ(22.5571, 23.8714, 53.9098)

Have a look what the booklet for
XYZ(22.5571, 23.8714, 53.9098)
contains.

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Color

**XYZ(22.5018, 23.7678,
53.8538)**

Conversions

Conversions Part 1

Format	Color
Hex	5789C1
RGB	87, 137, 193
RGB Percent	34%, 54%, 76%
CMY	0.6588, 0.4627, 0.2431
CMYK	0.55, 0.29, 0.00, 0.24
HSL	212°, 46%, 55%
HSV	212°, 55%, 76%
XYZ	22.5018, 23.7678, 53.8538
YIQ	128.4340, -47.7760, 6.8160

Conversions

Conversions Part 2

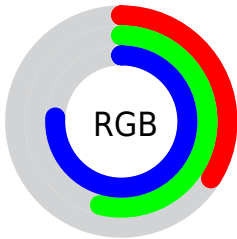
Format	Color
R _Y B	87, 121, 193
Decimal	5736897
CIE Lab	55.85, -0.41, -34.28
CIE LCh	56, 34.282, 269.321
Yxy	23.7678, 0.2247, 0.2374
Android (android.graphics.Color)	4283926977 (0xFF5789C1)
YUV	128.4340, 31.8310, -36.3376
Hunter-Lab	48.7522, -2.9290, -31.3677

Details

The XYZ color **22.5018, 23.7678, 53.8538** is a dark color, and the websafe version is hex **6699CC**. The color can be described as middle muted azure. A complement of this color would be **33.5362, 31.6720, 13.3637**, and the grayscale version is **20.5740, 21.6455, 23.5719**.

A 20% lighter version of the original color is **46.9965, 49.5687, 97.5332**, and **8.3993, 8.8510, 25.6918** is the 20% darker color. If you saturate the color by 10%, you get **19.5534, 20.1972, 53.3205**, and if you desaturate by 10%, it is **26.0706, 27.8624, 54.4565**.

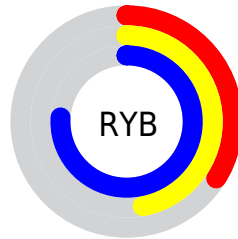
Distribution



Red (34%)

Green (54%)

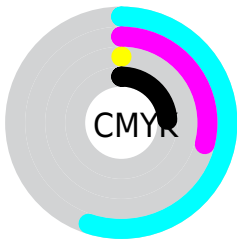
Blue (76%)



Red (34%)

Yellow (47%)

Blue (76%)

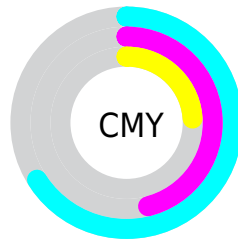


Cyan (55%)

Magenta (29%)

Yellow (0%)

Black (24%)



Cyan (66%)

Magenta (46%)

Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5018, 23.7678, 53.8538 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 22.5018, 23.7678, 53.8538 by changing the saturation by 10% instead.

■ 22.5018, 23.7678,
53.8538

■ 22.5018, 23.7678,
53.8538

257.7391,
271.6444, 418.7111

■ 14.3447, 15.1615,
38.0924

■ 47.0467, 49.6510,
97.3138

■ 8.4441, 8.9328,
25.7520

■ 64.1652, 67.6967,
125.8495

■ 4.4346, 4.6974,
16.4141

■ 85.0016, 89.6576,
159.4803

■ 1.9508, 2.0708,
9.6602

■ 109.9212,
115.9181, 198.6249

■ 0.6061, 0.6481,
5.0716

139.2894,
146.8627, 243.7017

■ 0.0000, 0.0000,
2.2298

173.4716,

■ 0.0000, 0.0000,

182.8757, 295.1293

0.6915

212.8330,
224.3414, 353.3263

■ 0.0000, 0.0000,
0.0000

■ 22.5018, 23.7678,
53.8538

■ 22.5018, 23.7678,
53.8538

■ 19.5534, 20.1972,
53.3205

■ 26.0706, 27.8624,
54.4565

■ 17.1797, 17.1202,
52.8517

■ 30.2958, 32.5038,
55.1297

■ 15.3320, 14.5063,
52.4445

■ 35.2135, 37.7161,
55.8766

■ 13.9511, 12.3187,
52.0950

■ 40.8563, 43.5212,
56.6997

■ 13.3699, 11.3386,
51.9365

■ 47.2546, 49.9395,
57.6013

■ 54.4370, 56.9905,
58.5837

■ 62.4305, 64.6927,
59.6491

■ 71.2607, 73.0637,
60.7995

■ 78.8216, 81.0220,
61.9371

Harmonies

Analogous

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



18.9752, 23.7678, 49.1022



22.5018, 23.7678, 53.8538



26.4668, 23.7678, 49.4934

Triad

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



22.5018, 23.7678, 53.8538



29.7826, 23.7678, 16.7197



16.7337, 23.7678, 16.3923

Complementary

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



22.5018, 23.7678, 53.8538



33.5362, 31.6720, 13.3637

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.



19.1126, 23.7678, 11.3035



22.5018, 23.7678, 53.8538



26.6383, 23.7678, 11.4507

Square

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



22.5018, 23.7678, 53.8538



30.9524, 23.7678, 26.1345



22.6796, 23.7678, 9.7927



15.8892, 23.7678, 25.6253

Rectangle

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



22.5018, 23.7678, 53.8538



28.7704, 23.7678, 42.5604



22.6796, 23.7678, 9.7927



17.3658, 23.7678, 14.2495

Sweetspot

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



22.5026, 23.7686, 53.8544



71.7514, 76.4998, 101.3445



27.8664, 42.1129, 32.1605



14.9280, 15.9367, 21.6746



92.9021, 97.7402, 106.4391



19.4759, 20.4902, 22.3138

Same Dimension

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



22.5026, 23.7686, 53.8544



34.0380, 34.9358, 95.3096



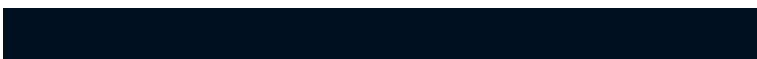
17.1323, 12.7801, 52.0164



9.9113, 10.5139, 12.7918



8.9712, 7.6990, 34.5698



0.4566, 0.4705, 1.5166

Inverse Universe

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



29.9167, 19.9610, 25.9437



49.2240, 29.4330, 37.6258



42.3355, 49.9353, 16.4251



10.2665, 10.1552, 11.4941



15.9242, 8.0594, 7.5131



0.7228, 0.3621, 0.5079

Previews

White Background



This preview shows how the XYZ color 22.5018, 23.7678, 53.8538 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 22.5018, 23.7678, 53.8538 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 22.5018, 23.7678, 53.8538

Background



This preview shows how black text looks on a background with the XYZ color 22.5018, 23.7678, 53.8538.

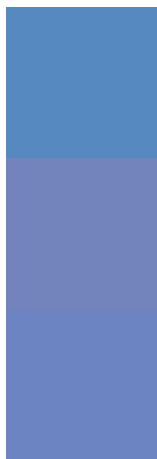


This preview shows how white text looks on a background with the XYZ color 22.5018, 23.7678,

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

22.5018, 23.7678, 53.8538

Protanopia

24.2636, 23.5083, 50.8357

Deuteranopia

24.1732, 23.5857, 54.3174



Tritanopia

18.7217, 23.7633, 35.0525

Trichromacy



Original Color

22.5018, 23.7678, 53.8538

Protanomaly

23.5075, 23.4960, 52.0114

Deuteranomaly

23.5182, 23.6546, 54.3652

Tritanomaly

19.8282, 23.5340, 41.0336

Monochromacy



Original Color

22.5018, 23.7678, 53.8538

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

20.5938, 22.0103, 32.8688

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5018, 23.7678, 53.8538 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(87, 137, 193)` looks like.

```
.text, #text, p{  
    color:rgb(87, 137, 193)  
}
```

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(87, 137, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 137, 193) }
```

Border

The CSS property to change the border of an element to XYZ 22.5018, 23.7678, 53.8538 is called "border". The border property can be set on classes, ids or directly on the HTML element.

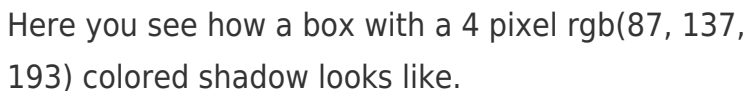
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(87, 137, 193) }
```


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

```
.border{ border-color:rgb(87, 137, 193) }
```

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



Here you see how a box with a 4 pixel `rgb(87, 137, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 137, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 137, 193);  
box-shadow:4px 4px 4px 4px rgb(87, 137,  
193) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5018, 23.7678, 53.8538 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 137, 193) }
```

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

```
.background{ background-color: rgb(87, 137,  
193) }
```

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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