

Converting Colors

XYZ(22.3958, 18.8782, 59.7526)

Have a look what the booklet for
XYZ(22.3958, 18.8782, 59.7526)
contains.

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Color

**XYZ(22.4022, 18.8910,
59.5924)**

Conversions

Conversions Part 1

Format	Color
Hex	6870CC
RGB	104, 112, 204
RGB Percent	41%, 44%, 80%
CMY	0.5921, 0.5608, 0.2000
CMYK	0.49, 0.45, 0.00, 0.20
HSL	235°, 50%, 60%
HSV	235°, 49%, 80%
XYZ	22.4022, 18.8910, 59.5924
YIQ	120.0960, -34.3000, 26.9160

Conversions

Conversions Part 2

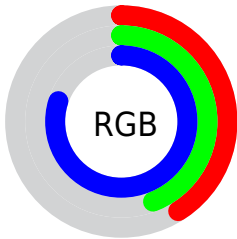
Format	Color
RYB	104, 111, 204
Decimal	6844620
CIELab	50.56, 21.96, -48.84
CIELCh	51, 53.549, 294.211
Yxy	18.8910, 0.2221, 0.1873
Android (android.graphics.Color)	4285034700 (0xFF6870CC)
YUV	120.0960, 41.3647, -14.1162
Hunter-Lab	43.4638, 15.9413, -50.8668

Details

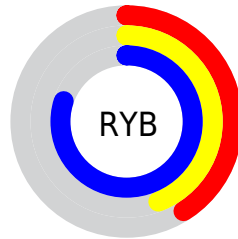
The XYZ color **22.4022, 18.8910, 59.5924** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **47.1419, 53.3189, 20.9049**, and the grayscale version is **17.7637, 18.6888, 20.3521**.

A 20% lighter version of the original color is **45.8227, 41.2445, 100.1536**, and **8.3973, 6.5084, 29.2474** is the 20% darker color. If you saturate the color by 10%, you get **18.4548, 14.0959, 58.8753**, and if you desaturate by 10%, it is **27.3555, 24.8459, 60.4811**.

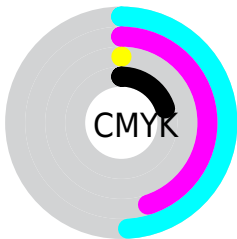
Distribution



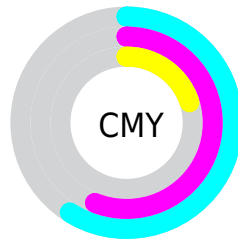
- Red (41%)
- Green (44%)
- Blue (80%)



- Red (41%)
- Yellow (44%)
- Blue (80%)



- Cyan (49%)
- Magenta (45%)
- Yellow (0%)
- Black (20%)



- Cyan (59%)
- Magenta (56%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4022, 18.8910, 59.5924 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 22.4022, 18.8910, 59.5924 by changing the saturation by 10% instead.

■ 22.4022, 18.8910,
59.5924

■ 22.4022, 18.8910,
59.5924

257.2326,
245.8464, 440.8566

■ 14.2710, 11.5915,
42.6670

■ 46.8838, 41.5498,
105.7757

■ 8.3923, 6.4662,
29.2945

■ 63.9648, 57.6780,
135.8708

■ 4.4009, 3.1306,
19.0562

■ 84.7599, 77.5179,
171.1928

■ 1.9314, 1.2003,
11.5337

■ 109.6343,
101.4538, 212.1604

■ 0.5950, 0.0619,
6.3083

138.9534,
129.8702, 259.1920

■ 0.0000, 0.0000,
2.9617

173.0826,

■ 0.0000, 0.0000,

163.1515, 312.7062

1.0751

212.3872,
201.6821, 373.1216

■ 0.0000, 0.0000,
0.0000

■ 22.4022, 18.8910,
59.5924

■ 22.4022, 18.8910,
59.5924

■ 18.4548, 14.0959,
58.8753

■ 27.3555, 24.8459,
60.4811

■ 15.4420, 10.3829,
58.3174

■ 33.3748, 32.0275,
61.5501

■ 13.2867, 7.6679,
57.9070

■ 40.5184, 40.5000,
62.8089

■ 11.8983, 5.8534,
57.6299

■ 48.8396, 50.3224,
64.2663

■ 11.1431, 4.8103,
57.4684

■ 58.3882, 61.5503,
65.9302

■ 11.0891, 4.7396,
57.4576

■ 69.2114, 74.2358,
67.8083

■ 81.3535, 88.4288,
69.9079

■ 87.8992, 97.1397,
71.2442

Harmonies

Analogous

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



16.9602, 18.8910, 64.5739



22.4022, 18.8910, 59.5924



27.4081, 18.8910, 42.4209

Triad

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



22.4022, 18.8910, 59.5924



24.5001, 18.8910, 4.9375



9.6950, 18.8910, 17.7994

Complementary

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



22.4022, 18.8910, 59.5924



47.1419, 53.3189, 20.9049

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.



10.9722, 18.8910, 7.9073



22.4022, 18.8910, 59.5924



18.9886, 18.8910, 3.1631

Square

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



22.4022, 18.8910, 59.5924



28.7746, 18.8910, 10.8761



14.1397, 18.8910, 3.8985



10.2580, 18.8910, 34.7815

Rectangle

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



22.4022, 18.8910, 59.5924



29.4718, 18.8910, 29.4406



14.1397, 18.8910, 3.8985



9.9142, 18.8910, 13.6871

Sweetspot

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



22.4030, 18.8916, 59.5929



72.1340, 73.0195, 104.9000



37.2285, 50.0998, 59.7346



14.8302, 14.9091, 22.3461



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.



22.4030, 18.8916, 59.5929



30.1356, 22.8212, 97.4244



27.6454, 20.3421, 59.5965



10.6726, 10.9857, 14.1283



7.0072, 3.0384, 36.1734



0.3871, 0.2080, 1.8747

Inverse Universe

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



32.7775, 23.9090, 18.2169



49.4322, 32.5462, 20.3774



39.0606, 51.9022, 21.0574



11.2481, 11.2280, 11.8413



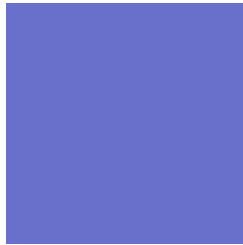
15.7478, 8.1097, 1.1248



0.8253, 0.4235, 0.1261

Previews

White Background



This preview shows how the XYZ color 22.4022, 18.8910, 59.5924 looks on a white background.

Color Contrast Check

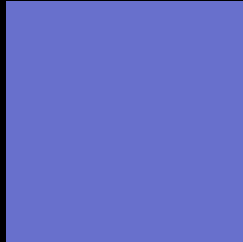
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4022, 18.8910, 59.5924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

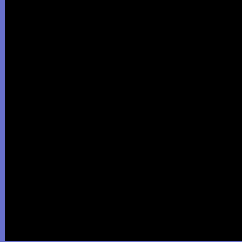
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.4022, 18.8910, 59.5924

Background



This preview shows how black text looks on a background with the XYZ color 22.4022, 18.8910, 59.5924.



This preview shows how white text looks on a background with the XYZ color 22.4022, 18.8910,

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

22.4022, 18.8910, 59.5924

Protanopia

21.0944, 18.9883, 62.8749

Deuteranopia

19.5479, 18.9958, 58.5134



Tritanopia

15.7609, 18.8697, 26.4784

Trichromacy



Original Color

22.4022, 18.8910, 59.5924

Protanomaly

21.4177, 18.8412, 61.5394

Deuteranomaly

20.3998, 18.8884, 59.0705

Tritanomaly

17.7069, 18.7164, 36.3976

Monochromacy



Original Color

22.4022, 18.8910, 59.5924

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

18.8866, 18.5344, 31.8602

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4022, 18.8910, 59.5924 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(104, 112, 204)` looks like.

```
.text, #text, p{  
    color:rgb(104, 112, 204)  
}
```

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(104, 112, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 112, 204) }
```

Border

The CSS property to change the border of an element to XYZ 22.4022, 18.8910, 59.5924 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(104, 112, 204) }
```


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

```
.border{ border-color:rgb(104, 112, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 112, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 112, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 112, 204);  
box-shadow:4px 4px 4px 4px rgb(104, 112,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4022, 18.8910, 59.5924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 112, 204) }
```

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

```
.background{ background-color: rgb(104,  
112, 204) }
```

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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