

Converting Colors

XYZ(22.1594, 19.6490, 57.8830)

Have a look what the booklet for
XYZ(22.1594, 19.6490, 57.8830)
contains.

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Color

**XYZ(22.1594, 19.6490,
57.8830)**

Conversions

Conversions Part 1

Format	Color
Hex	6475C9
RGB	100, 117, 201
RGB Percent	39%, 46%, 79%
CMY	0.6078, 0.5412, 0.2118
CMYK	0.50, 0.42, 0.00, 0.21
HSL	230°, 48%, 59%
HSV	230°, 50%, 79%
XYZ	22.1594, 19.6490, 57.8830
YIQ	121.4930, -37.0960, 22.5200

Conversions

Conversions Part 2

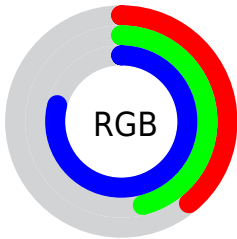
Format	Color
RYB	100, 115, 201
Decimal	6583753
CIELab	51.44, 17.05, -45.74
CIELCh	51, 48.820, 290.446
Yxy	19.6490, 0.2223, 0.1971
Android (android.graphics.Color)	4284773833 (0xFF6475C9)
YUV	121.4930, 39.1970, -18.8494
Hunter-Lab	44.3272, 11.6605, -46.3926

Details

The XYZ color **22.1594, 19.6490, 57.8830** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **43.5290, 47.6198, 18.9549**, and the grayscale version is **18.2198, 19.1686, 20.8746**.

A 20% lighter version of the original color is **45.9483, 42.6639, 100.4210**, and **8.2309, 6.8030, 28.0734** is the 20% darker color. If you saturate the color by 10%, you get **18.4274, 15.0875, 57.1996**, and if you desaturate by 10%, it is **26.7892, 25.1903, 58.7090**.

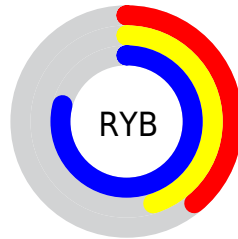
Distribution



Red (39%)

Green (46%)

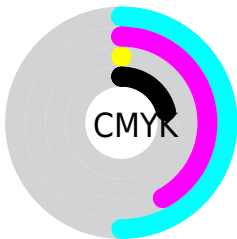
Blue (79%)



Red (39%)

Yellow (45%)

Blue (79%)

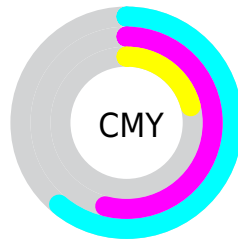


Cyan (50%)

Magenta (42%)

Yellow (0%)

Black (21%)



Cyan (61%)

Magenta (54%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.1594, 19.6490, 57.8830 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 22.1594, 19.6490, 57.8830 by changing the saturation by 10% instead.

■ 22.1594, 19.6490,
57.8830

■ 22.1594, 19.6490,
57.8830

255.9943,
250.0086, 434.3359

■ 14.0913, 12.1402,
41.3005

■ 46.4862, 42.8279,
103.2656

■ 8.2663, 6.8392,
28.2325

■ 63.4756, 59.2668,
132.9027

■ 4.3191, 3.3617,
18.2604

■ 84.1696, 79.4511,
167.7285

■ 1.8842, 1.3234,
10.9658

■ 108.9334,
103.7653, 208.1615

■ 0.5676, 0.1592,
5.9299

138.1324,
132.5938, 254.6201

■ 0.0000, 0.0000,
2.7344

172.1320,

■ 0.0000, 0.0000,

166.3209, 307.5231

0.9607

211.2975,
205.3310, 367.2888

■ 0.0000, 0.0000,
0.0000

■ 22.1594, 19.6490,
57.8830

■ 22.1594, 19.6490,
57.8830

■ 18.4274, 15.0875,
57.1996

■ 26.7892, 25.1903,
58.7090

■ 15.5312, 11.4454,
56.6493

■ 32.3684, 31.7625,
59.6835

■ 13.4046, 8.6588,
56.2235

■ 38.9476, 39.4158,
60.8139

■ 11.9695, 6.6543,
55.9122

■ 46.5730, 48.1962,
62.1068

■ 11.1098, 5.3514,
55.7061

■ 55.2877, 58.1474,
63.5683

■ 65.1327, 69.3103,
65.2041

■ 76.1466, 81.7241,
67.0197

■ 86.1985, 94.3087,
68.9189

■ 87.5427, 96.9971,
69.3670

Harmonies

Analogous

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



17.1570, 19.6490, 60.4916



22.1594, 19.6490, 57.8830



26.9110, 19.6490, 43.5534

Triad

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



22.1594, 19.6490, 57.8830



25.3318, 19.6490, 6.6169



10.8485, 19.6490, 17.2258

Complementary

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



22.1594, 19.6490, 57.8830



43.5290, 47.6198, 18.9549

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.



12.3196, 19.6490, 8.4127



22.1594, 19.6490, 57.8830



20.2816, 19.6490, 4.3041

Square

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



22.1594, 19.6490, 57.8830



28.9531, 19.6490, 13.2939



15.5779, 19.6490, 4.7748



11.1735, 19.6490, 32.2564

Rectangle

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



22.1594, 19.6490, 57.8830



29.0202, 19.6490, 31.7413



15.5779, 19.6490, 4.7748



11.1380, 19.6490, 13.5828

Sweetspot

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



22.1602, 19.6497, 57.8835



73.0288, 74.8091, 105.1983



34.6364, 47.8806, 51.9353



15.0426, 15.3338, 22.4168



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.



22.1602, 19.6497, 57.8835



31.2161, 25.4181, 97.8686



24.6138, 18.2366, 57.4814



10.1986, 10.5712, 13.4204



7.0315, 3.4570, 35.0410



0.3791, 0.2560, 1.6746

Inverse Universe

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



31.8561, 22.8171, 19.5554



49.8712, 32.3147, 23.9449



39.5533, 51.1308, 19.8422



10.7055, 10.6656, 11.4324



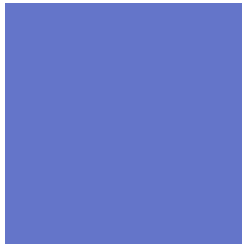
15.3485, 7.8890, 1.7792



0.7500, 0.3829, 0.2069

Previews

White Background



This preview shows how the XYZ color 22.1594, 19.6490, 57.8830 looks on a white background.

Color Contrast Check

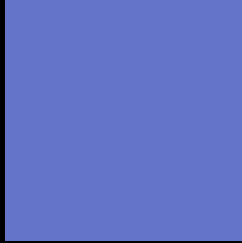
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.1594, 19.6490, 57.8830 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

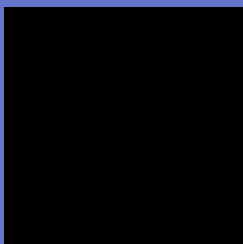
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.1594, 19.6490, 57.8830

Background



This preview shows how black text looks on a background with the XYZ color 22.1594, 19.6490, 57.8830.

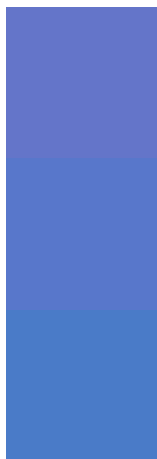


This preview shows how white text looks on a background with the XYZ color 22.1594, 19.6490,

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

22.1594, 19.6490, 57.8830

Protanopia

21.4008, 19.5802, 59.1513

Deuteranopia

20.3323, 19.7919, 57.3922



Tritanopia

16.1837, 19.6377, 28.1368

Trichromacy



Original Color

22.1594, 19.6490, 57.8830

Protanomaly

21.5527, 19.4964, 58.5044

Deuteranomaly

20.8300, 19.6839, 57.3451

Tritanomaly

17.9690, 19.3863, 37.4452

Monochromacy



Original Color

22.1594, 19.6490, 57.8830

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.0315, 19.1457, 31.5466

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.1594, 19.6490, 57.8830 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(100, 117, 201)` looks like.

```
.text, #text, p{  
    color:rgb(100, 117, 201)  
}
```

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(100, 117, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 117, 201) }
```

Border

The CSS property to change the border of an element to XYZ 22.1594, 19.6490, 57.8830 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(100, 117, 201) }
```


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

```
.border{ border-color:rgb(100, 117, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 117, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 117, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 117, 201);  
box-shadow:4px 4px 4px 4px rgb(100, 117,  
201) }
```

Background

The CSS property to change the background color of an element to XYZ 22.1594, 19.6490, 57.8830 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 117, 201) }
```

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

```
.background{ background-color: rgb(100,  
117, 201) }
```

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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