

Converting Colors

XYZ(22.9027, 20.2107, 58.7770)

Have a look what the booklet for
XYZ(22.9027, 20.2107, 58.7770)
contains.

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Color

**XYZ(22.8480, 20.1642,
58.5650)**

Conversions

Conversions Part 1

Format	Color
Hex	6876CA
RGB	104, 118, 202
RGB Percent	41%, 46%, 79%
CMY	0.5921, 0.5372, 0.2078
CMYK	0.49, 0.42, 0.00, 0.21
HSL	231°, 48%, 60%
HSV	231°, 49%, 79%
XYZ	22.8480, 20.1642, 58.5650
YIQ	123.3900, -35.3080, 23.1560

Conversions

Conversions Part 2

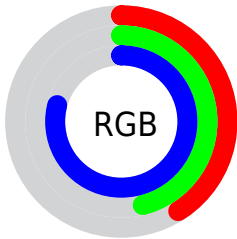
Format	Color
R_{YB}	104, 116, 202
Decimal	6846154
CIE _{Lab}	52.02, 17.69, -45.37
CIE _{LCh}	52, 48.698, 291.301
Yxy	20.1642, 0.2249, 0.1985
Android (android.graphics.Color)	4285036234 (0xFF6876CA)
YUV	123.3900, 38.7547, -17.0050
Hunter-Lab	44.9046, 12.2400, -45.8934

Details

The XYZ color **22.8480, 20.1642, 58.5650** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **44.8401, 49.5239, 20.2935**, and the grayscale version is **18.8405, 19.8216, 21.5858**.

A 20% lighter version of the original color is **46.9219, 43.4430, 100.5200**, and **8.5833, 7.0677, 28.5156** is the 20% darker color. If you saturate the color by 10%, you get **18.9227, 15.3868, 57.8502**, and if you desaturate by 10%, it is **27.7107, 25.9810, 59.4319**.

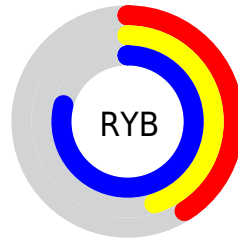
Distribution



Red (41%)

Green (46%)

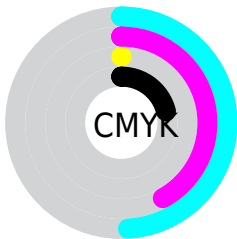
Blue (79%)



Red (41%)

Yellow (45%)

Blue (79%)

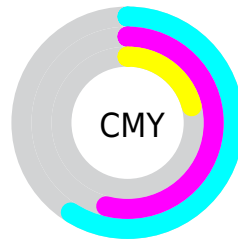


Cyan (49%)

Magenta (42%)

Yellow (0%)

Black (21%)



Cyan (59%)

Magenta (54%)

Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8480, 20.1642, 58.5650 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 22.8480, 20.1642, 58.5650 by changing the saturation by 10% instead.

■ 22.8480, 20.1642,
58.5650

■ 22.8480, 20.1642,
58.5650

259.4933,
252.8026, 436.9449

■ 14.6014, 12.5145,
41.8453

■ 47.6121, 43.6923,
104.2681

■ 8.6246, 7.0951,
28.6555

■ 64.8603, 60.3395,
134.0886

■ 4.5523, 3.5216,
18.5771

■ 85.8398, 80.7545,
169.1131

■ 2.0191, 1.4097,
11.1914

■ 110.9159,
105.3219, 209.7601

■ 0.6446, 0.2239,
6.0799

140.4539,
134.4261, 256.4483

■ 0.0000, 0.0000,
2.8242

174.8192,

■ 0.0000, 0.0000,

168.4513, 309.5961

1.0056

214.3772,
207.7820, 369.6221

■ 0.0000, 0.0000,
0.0000

■ 22.8480, 20.1642,
58.5650

■ 22.8480, 20.1642,
58.5650

■ 18.9227, 15.3868,
57.8502

■ 27.7107, 25.9810,
59.4319

■ 15.8713, 11.5847,
57.2771

■ 33.5641, 32.8920,
60.4573

■ 13.6256, 8.6898,
56.8367

■ 40.4602, 40.9505,
61.6493

■ 12.1064, 6.6241,
56.5180

■ 48.4468, 50.2056,
63.0148

■ 11.1996, 5.2862,
56.3076

■ 57.5687, 60.7038,
64.5604

■ 11.0965, 5.1359,
56.2840

■ 67.8680, 72.4889,
66.2923

■ 79.3848, 85.6026,
68.2165

■ 87.6608, 97.0443,
69.9888

Harmonies

Analogous

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



17.7571, 20.1642, 61.6045



22.8480, 20.1642, 58.5650



27.6261, 20.1642, 43.8784

Triad

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



22.8480, 20.1642, 58.5650



25.7776, 20.1642, 6.7806



11.1907, 20.1642, 18.0732

Complementary

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



22.8480, 20.1642, 58.5650



44.8401, 49.5239, 20.2935

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.



12.6369, 20.1642, 8.9109



22.8480, 20.1642, 58.5650



20.6464, 20.1642, 4.4989

Square

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



22.8480, 20.1642, 58.5650



29.5105, 20.1642, 13.4436



15.9015, 20.1642, 5.0608



11.5740, 20.1642, 33.4643

Rectangle

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



22.8480, 20.1642, 58.5650



29.7087, 20.1642, 31.9426



15.9015, 20.1642, 5.0608



11.4684, 20.1642, 14.3027

Sweetspot

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



22.8488, 20.1649, 58.5655



72.7691, 74.2895, 105.1117



35.8320, 48.7855, 54.7109



14.9809, 15.2104, 22.3963



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.



22.8488, 20.1649, 58.5655



31.8741, 25.8493, 97.9172



26.1429, 19.5949, 58.2819



10.7289, 11.0982, 14.1471



7.1800, 3.3840, 36.2310



0.4132, 0.2602, 1.8834

Inverse Universe

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



32.5782, 23.7662, 20.0104



50.4193, 33.3607, 24.2820



39.7046, 51.5331, 20.9520



11.2765, 11.2393, 11.9908



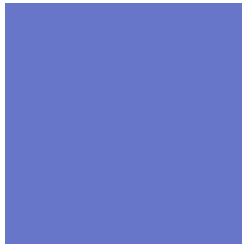
15.8350, 8.1446, 1.5840



0.8385, 0.4288, 0.1955

Previews

White Background



This preview shows how the XYZ color 22.8480, 20.1642, 58.5650 looks on a white background.

Color Contrast Check

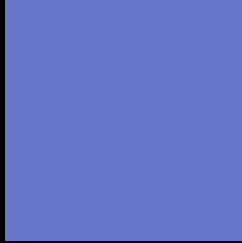
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.8480, 20.1642, 58.5650 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 22.8480, 20.1642, 58.5650

Background



This preview shows how black text looks on a background with the XYZ color 22.8480, 20.1642, 58.5650.

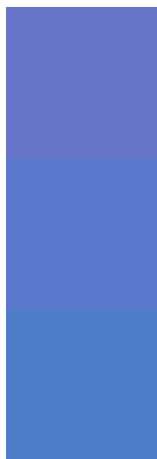


This preview shows how white text looks on a background with the XYZ color 22.8480, 20.1642,

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

22.8480, 20.1642, 58.5650

Protanopia

22.0733, 20.2562, 60.5041

Deuteranopia

20.8108, 20.2101, 58.0624



Tritanopia

16.8365, 20.1640, 28.5959

Trichromacy



Original Color

22.8480, 20.1642, 58.5650

Protanomaly

22.3349, 20.2255, 59.8535

Deuteranomaly

21.4326, 20.1624, 58.0204

Tritanomaly

18.6759, 19.9292, 37.9844

Monochromacy



Original Color

22.8480, 20.1642, 58.5650

Achromatopsia

18.8265, 19.8069, 21.5697

Achromatomaly

19.7073, 19.6547, 32.4608

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8480, 20.1642, 58.5650 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, 118, 202)` looks like.

```
.text, #text, p{  
    color:rgb(104, 118, 202)  
}
```

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, 118, 202) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(104, 118, 202) }
```

Border

The CSS property to change the border of an element to XYZ 22.8480, 20.1642, 58.5650 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, 118, 202) }
```


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

```
.border{ border-color:rgb(104, 118, 202) }
```

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

Here you see how a box with a 4 pixel `rgb(104, 118, 202)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(104, 118, 202); -webkit-box-  
shadow:4px 4px 4px 4px rgb(104, 118, 202);  
box-shadow:4px 4px 4px 4px rgb(104, 118,  
202) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8480, 20.1642, 58.5650 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(104, 118, 202) }
```

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

```
.background{ background-color: rgb(104,  
118, 202) }
```

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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