

Converting Colors

XYZ(22.2462, 18.5771, 59.2568)

Have a look what the booklet for
XYZ(22.2462, 18.5771, 59.2568)
contains.

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Color

**XYZ(22.4092, 18.7318,
59.5612)**

Conversions

Conversions Part 1

Format	Color
Hex	696FCC
RGB	105, 111, 204
RGB Percent	41%, 44%, 80%
CMY	0.5882, 0.5647, 0.2000
CMYK	0.49, 0.46, 0.00, 0.20
HSL	236°, 49%, 61%
HSV	236°, 49%, 80%
XYZ	22.4092, 18.7318, 59.5612
YIQ	119.8080, -33.4290, 27.6510

Conversions

Conversions Part 2

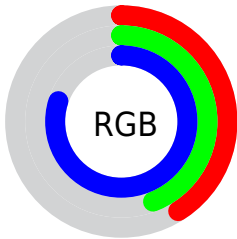
Format	Color
R _Y B	105, 111, 204
Decimal	6909900
CIE Lab	50.37, 22.80, -49.13
CIE LCh	50, 54.166, 294.894
Yxy	18.7318, 0.2225, 0.1860
Android (android.graphics.Color)	4285099980 (0xFF696FCC)
YUV	119.8080, 41.5067, -12.9866
Hunter-Lab	43.2802, 16.6814, -51.2972

Details

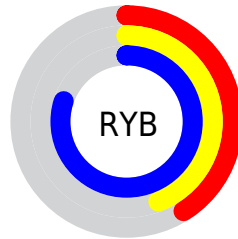
The XYZ color **22.4092, 18.7318, 59.5612** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **47.6468, 54.2470, 21.3252**, and the grayscale version is **17.6714, 18.5917, 20.2464**.

A 20% lighter version of the original color is **45.8451, 40.9915, 100.1036**, and **8.4305, 6.4411, 29.2327** is the 20% darker color. If you saturate the color by 10%, you get **18.4227, 13.8987, 58.8388**, and if you desaturate by 10%, it is **27.4205, 24.7596, 60.4609**.

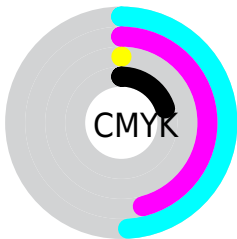
Distribution



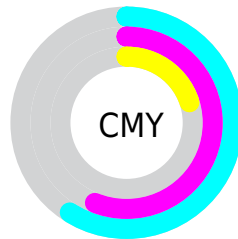
- Red (41%)
- Green (44%)
- Blue (80%)



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



- Cyan (49%)
- Magenta (46%)
- Yellow (0%)
- Black (20%)



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

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.4092, 18.7318, 59.5612 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 22.4092, 18.7318, 59.5612 by changing the saturation by 10% instead.

■ 22.4092, 18.7318,
59.5612

■ 22.4092, 18.7318,
59.5612

257.2682,
244.9641, 440.7381

■ 14.2762, 11.4766,
42.6421

■ 46.8952, 41.2804,
105.7300

■ 8.3960, 6.3884,
29.2751

■ 63.9789, 57.3427,
135.8167

■ 4.4033, 3.0827,
19.0416

■ 84.7769, 77.1094,
171.1298

■ 1.9327, 1.1750,
11.5232

■ 109.6545,
100.9650, 212.0876

■ 0.5957, 0.0412,
6.3014

138.9771,
129.2939, 259.1089

■ 0.0000, 0.0000,
2.9574

173.1100,

■ 0.0000, 0.0000,

162.4804, 312.6120

1.0729

212.4186,
200.9090, 373.0156

■ 0.0000, 0.0000,
0.0000

■ 22.4092, 18.7318,
59.5612

■ 22.4092, 18.7318,
59.5612

■ 18.4227, 13.8987,
58.8388

■ 27.4205, 24.7596,
60.4609

■ 15.3879, 10.1788,
58.2808

■ 33.5182, 32.0522,
61.5472

■ 13.2259, 7.4837,
57.8745

■ 40.7619, 40.6768,
62.8301

■ 11.8438, 5.7105,
57.6051

■ 49.2063, 50.6952,
64.3188

■ 11.1101, 4.7258,
57.4537

■ 58.9023, 62.1654,
66.0217

■ 11.0350, 4.6314,
57.4394

■ 69.8982, 75.1418,
67.9469

■ 82.2393, 89.6765,
70.1019

■ 87.8991, 97.1397,
71.2441

Harmonies

Analogous

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



16.9191, 18.7318, 64.9808



22.4092, 18.7318, 59.5612



27.4248, 18.7318, 41.9969

Triad

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



22.4092, 18.7318, 59.5612



24.2760, 18.7318, 4.6927



9.5115, 18.7318, 17.9253

Complementary

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



22.4092, 18.7318, 59.5612



47.6468, 54.2470, 21.3252

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.



10.7461, 18.7318, 7.8624



22.4092, 18.7318, 59.5612



18.7193, 18.7318, 3.0114

Square

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



22.4092, 18.7318, 59.5612



28.6428, 18.7318, 10.4721



13.8774, 18.7318, 3.7899



10.1161, 18.7318, 35.1776

Rectangle

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



22.4092, 18.7318, 59.5612



29.4608, 18.7318, 28.9127



13.8774, 18.7318, 3.7899



9.7166, 18.7318, 13.7408

Sweetspot

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



22.4100, 18.7324, 59.5617



71.9401, 72.6316, 104.8354



37.5432, 50.2391, 60.7828



14.7843, 14.8172, 22.3307



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.



22.4100, 18.7324, 59.5617



30.3778, 22.8567, 97.4184



28.1463, 20.7505, 59.6489



10.6554, 10.9512, 14.1226



6.9690, 2.9620, 36.1607



0.3791, 0.1919, 1.8720

Inverse Universe

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



32.8233, 24.0892, 17.9591



49.6640, 33.0586, 20.3048



38.8615, 51.7937, 21.3147



11.2394, 11.2245, 11.7954



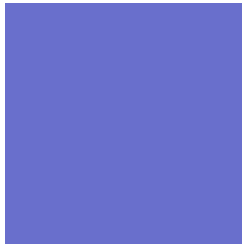
15.7285, 8.1020, 1.0232



0.8213, 0.4219, 0.1047

Previews

White Background



This preview shows how the XYZ color 22.4092, 18.7318, 59.5612 looks on a white background.

Color Contrast Check

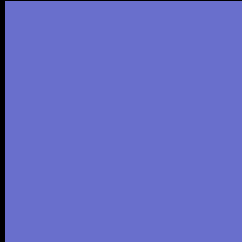
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.4092, 18.7318, 59.5612 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 22.4092, 18.7318, 59.5612

Background



This preview shows how black text looks on a background with the XYZ color 22.4092, 18.7318, 59.5612.



This preview shows how white text looks on a background with the XYZ color 22.4092, 18.7318,

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

22.4092, 18.7318, 59.5612

Protanopia

20.9305, 18.9038, 62.8672

Deuteranopia

19.4846, 18.9631, 58.5104



Tritanopia

15.7225, 18.6591, 26.4398

Trichromacy



Original Color

22.4092, 18.7318, 59.5612

Protanomaly

21.3237, 18.7927, 61.5350

Deuteranomaly

20.2827, 18.6541, 59.0315

Tritanomaly

17.6840, 18.5233, 36.3615

Monochromacy



Original Color

22.4092, 18.7318, 59.5612

Achromatopsia

17.8524, 18.7821, 20.4537

Achromatomaly

19.0174, 18.6018, 31.8663

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.4092, 18.7318, 59.5612 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(105, 111, 204)` looks like.

```
.text, #text, p{  
    color:rgb(105, 111, 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(105, 111, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 111, 204) }
```

Border

The CSS property to change the border of an element to XYZ 22.4092, 18.7318, 59.5612 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(105, 111, 204) }
```


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

```
.border{ border-color:rgb(105, 111, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(105, 111, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 111, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 111, 204);  
box-shadow:4px 4px 4px 4px rgb(105, 111,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 22.4092, 18.7318, 59.5612 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 111, 204) }
```

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

```
.background{ background-color: rgb(105,  
111, 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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