

Converting Colors

XYZ(22.2974, 19.6789, 59.7499)

Have a look what the booklet for
XYZ(22.2974, 19.6789, 59.7499)
contains.

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Color

**XYZ(22.2974, 19.6789,
59.7499)**

Conversions

Conversions Part 1

Format	Color
Hex	6275CC
RGB	98, 117, 204
RGB Percent	38%, 46%, 80%
CMY	0.6157, 0.5412, 0.2000
CMYK	0.52, 0.43, 0.00, 0.20
HSL	229°, 51%, 59%
HSV	229°, 52%, 80%
XYZ	22.2974, 19.6789, 59.7499
YIQ	121.2370, -39.2510, 23.0290

Conversions

Conversions Part 2

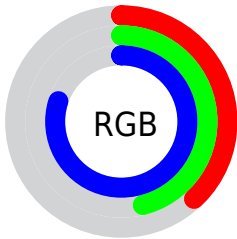
Format	Color
R _Y B	98, 114, 204
Decimal	6452684
CIE Lab	51.47, 17.54, -47.41
CIE LCh	51, 50.551, 290.307
Yxy	19.6789, 0.2192, 0.1934
Android (android.graphics.Color)	4284642764 (0xFF6275CC)
YUV	121.2370, 40.8022, -20.3788
Hunter-Lab	44.3609, 12.0890, -48.8053

Details

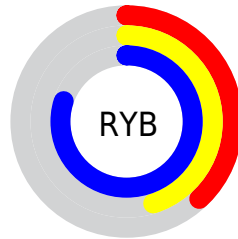
The XYZ color **22.2974, 19.6789, 59.7499** is a dark color, and the websafe version is hex **6666CC**. A complement of this color would be **44.4567, 48.4191, 18.5593**, and the grayscale version is **18.1326, 19.0769, 20.7747**.

A 20% lighter version of the original color is **45.7555, 42.5645, 100.4119**, and **8.3159, 6.8195, 29.3118** is the 20% darker color. If you saturate the color by 10%, you get **18.5907, 15.1266, 59.0670**, and if you desaturate by 10%, it is **26.9155, 25.2196, 60.5764**.

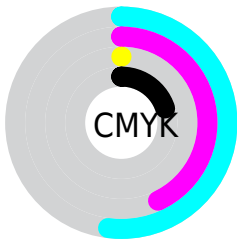
Distribution



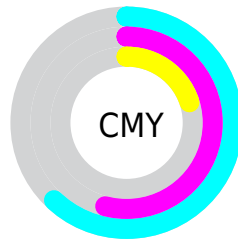
- Red (38%)
- Green (46%)
- Blue (80%)



- Red (38%)
- Yellow (45%)
- Blue (80%)



- Cyan (52%)
- Magenta (43%)
- Yellow (0%)
- Black (20%)



- Cyan (62%)
- Magenta (54%)
- Yellow (20%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.2974, 19.6789, 59.7499 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 22.2974, 19.6789, 59.7499 by changing the saturation by 10% instead.

■ 22.2974, 19.6789,
59.7499

■ 22.2974, 19.6789,
59.7499

256.6987,
250.1715, 441.4543

■ 14.1934, 12.1619,
42.7931

■ 46.7122, 42.8782,
106.0066

■ 8.3379, 6.8540,
29.3926

■ 63.7538, 59.3292,
136.1436

■ 4.3655, 3.3710,
19.1299

■ 84.5053, 79.5270,
171.5110

■ 1.9109, 1.3283,
11.5864

■ 109.3320,
103.8560, 212.5275

■ 0.5832, 0.1630,
6.3436

138.5994,
132.7005, 259.6115

■ 0.0000, 0.0000,
2.9830

172.6727,

■ 0.0000, 0.0000,

166.4450, 313.1816

1.0860

211.9174,
205.4739, 373.6564

■ 0.0000, 0.0000,
0.0000

■ 22.2974, 19.6789,
59.7499

■ 22.2974, 19.6789,
59.7499

■ 18.5907, 15.1266,
59.0670

■ 26.9155, 25.2196,
60.5764

■ 15.7309, 11.5010,
58.5179

■ 32.4988, 31.8011,
61.5525

■ 13.6486, 8.7363,
58.0940

■ 39.0995, 39.4747,
62.6857

■ 12.2615, 6.7568,
57.7850

■ 46.7656, 48.2873,
63.9827

■ 11.5471, 5.6556,
57.6101

■ 55.5418, 58.2833,
65.4495

■ 65.4703, 69.5047,
67.0922

■ 76.5910, 81.9912,
68.9162

■ 86.6218, 94.5850,
70.8184

■ 87.8992, 97.1397,
71.2441

Harmonies

Analogous

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



17.1096, 19.6789, 62.4388



22.2974, 19.6789, 59.7499



27.2577, 19.6789, 44.6760

Triad

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



22.2974, 19.6789, 59.7499



25.6505, 19.6789, 6.3191



10.6433, 19.6789, 17.0597

Complementary

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



22.2974, 19.6789, 59.7499



44.4567, 48.4191, 18.5593

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.



12.1583, 19.6789, 8.0802



22.2974, 19.6789, 59.7499



20.3949, 19.6789, 4.0029

Square

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



22.2974, 19.6789, 59.7499



29.4234, 19.6789, 13.1213



15.5194, 19.6789, 4.4561



10.9672, 19.6789, 32.6565

Rectangle

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



22.2974, 19.6789, 59.7499



29.4718, 19.6789, 32.2853



15.5194, 19.6789, 4.4561



10.9421, 19.6789, 13.3253

Sweetspot

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



22.2982, 19.6796, 59.7504



71.8318, 73.5300, 105.0145



35.3420, 49.2675, 53.3071



14.8108, 15.0897, 22.3819



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.



22.2982, 19.6796, 59.7504



30.3324, 24.4826, 97.7347



24.7160, 17.9670, 59.2924



10.7617, 11.1637, 14.1580



7.3169, 3.6577, 36.2766



0.4283, 0.2904, 1.8884

Inverse Universe

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



32.4811, 22.8582, 19.5302



49.2221, 31.2776, 22.9235



40.4697, 52.6626, 19.5885



11.2931, 11.2460, 12.0778



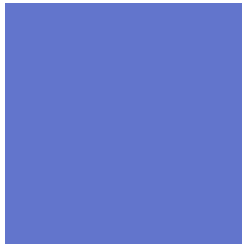
15.9041, 8.1722, 1.9478



0.8461, 0.4319, 0.2356

Previews

White Background



This preview shows how the XYZ color 22.2974, 19.6789, 59.7499 looks on a white background.

Color Contrast Check

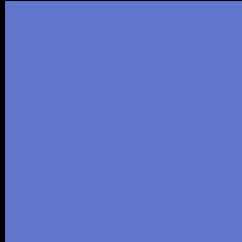
Large Text (above 18pt) WCAG AA ✓ Pass

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 22.2974, 19.6789, 59.7499 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

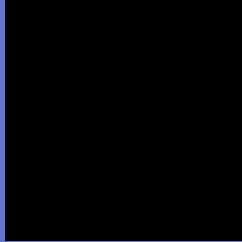
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.2974, 19.6789, 59.7499

Background



This preview shows how black text looks on a background with the XYZ color 22.2974, 19.6789, 59.7499.



This preview shows how white text looks on a background with the XYZ color 22.2974, 19.6789,

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

22.2974, 19.6789, 59.7499

Protanopia

21.5752, 19.6283, 61.0440

Deuteranopia

20.3882, 19.7798, 59.2432



Tritanopia

15.9846, 19.7335, 28.1658

Trichromacy



Original Color

22.2974, 19.6789, 59.7499

Protanomaly

21.7143, 19.5383, 60.3844

Deuteranomaly

20.9251, 19.6920, 59.1980

Tritanomaly

17.9080, 19.5333, 37.9484

Monochromacy



Original Color

22.2974, 19.6789, 59.7499

Achromatopsia

18.1737, 19.1202, 20.8219

Achromatomaly

19.1124, 19.1780, 31.9725

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.2974, 19.6789, 59.7499 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(98, 117, 204)` looks like.

```
.text, #text, p{  
    color:rgb(98, 117, 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(98, 117, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(98, 117, 204) }
```

Border

The CSS property to change the border of an element to XYZ 22.2974, 19.6789, 59.7499 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(98, 117, 204) }
```


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

```
.border{ border-color:rgb(98, 117, 204) }
```

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

Here you see how a box with a 4 pixel `rgb(98, 117, 204)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(98, 117, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(98, 117, 204);  
box-shadow:4px 4px 4px 4px rgb(98, 117,  
204) }
```

Background

The CSS property to change the background color of an element to XYZ 22.2974, 19.6789, 59.7499 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(98, 117, 204) }
```

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

```
.background{ background-color: rgb(98, 117,  
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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