

Converting Colors

XYZ(24.3196, 22.3220, 57.5596)

Have a look what the booklet for
XYZ(24.3196, 22.3220, 57.5596)
contains.

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Color

**XYZ(24.4417, 22.4713,
57.6928)**

Conversions

Conversions Part 1

Format	Color
Hex	6F7EC8
RGB	111, 126, 200
RGB Percent	44%, 49%, 78%
CMY	0.5647, 0.5059, 0.2157
CMYK	0.44, 0.37, 0.00, 0.22
HSL	230°, 45%, 61%
HSV	230°, 44%, 78%
XYZ	24.4417, 22.4713, 57.6928
YIQ	129.9510, -32.6940, 19.8340

Conversions

Conversions Part 2

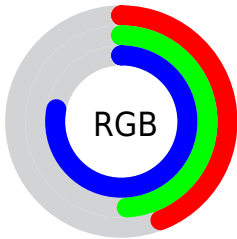
Format	Color
R _Y B	111, 124, 200
Decimal	7306952
CIE Lab	54.52, 13.98, -40.25
CIE LCh	55, 42.604, 289.150
Yxy	22.4713, 0.2337, 0.2148
Android (android.graphics.Color)	4285497032 (0xFF6F7EC8)
YUV	129.9510, 34.5342, -16.6200
Hunter-Lab	47.4039, 9.0787, -38.9760

Details

The XYZ color **24.4417, 22.4713, 57.6928** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **44.0386, 48.1263, 22.0083**, and the grayscale version is **21.0916, 22.1900, 24.1649**.

A 20% lighter version of the original color is **49.6963, 47.1678, 101.0928**, and **9.4731, 8.2238, 28.2822** is the 20% darker color. If you saturate the color by 10%, you get **20.2486, 17.4114, 56.9376**, and if you desaturate by 10%, it is **29.5533, 28.5302, 58.5933**.

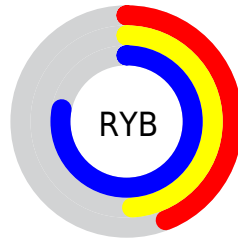
Distribution



Red (44%)

Green (49%)

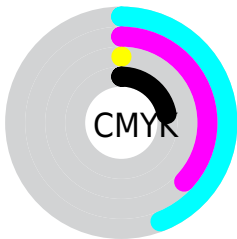
Blue (78%)



Red (44%)

Yellow (49%)

Blue (78%)

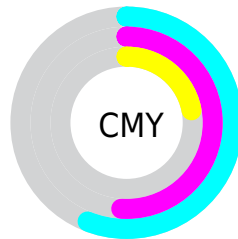


Cyan (44%)

Magenta (37%)

Yellow (0%)

Black (22%)



Cyan (56%)

Magenta (51%)

Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 24.4417, 22.4713, 57.6928 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 24.4417, 22.4713, 57.6928 by changing the saturation by 10% instead.

■ 24.4417, 22.4713,
57.6928

■ 24.4417, 22.4713,
57.6928

267.4452,
264.9977, 433.6065

■ 15.7881, 14.2036,
41.1487

■ 50.1995, 47.5237,
102.9857

■ 9.4642, 8.2624,
28.1147

■ 68.0344, 65.0773,
132.5716

■ 5.1047, 4.2633,
18.1723

■ 89.6604, 86.4949,
167.3418

■ 2.3442, 1.8219,
10.9031

115.4430,
112.1609, 207.7148

■ 0.8172, 0.5008,
5.8883

145.7474,
142.4599, 254.1093

■ 0.0000, 0.0000,
2.7096

180.9390,

■ 0.0000, 0.0000,

177.7760, 306.9437

0.9483

221.3831,
218.4939, 366.6366

■ 0.0000, 0.0000,
0.0000

■ 24.4417, 22.4713,
57.6928

■ 24.4417, 22.4713,
57.6928

■ 20.2486, 17.4114,
56.9376

■ 29.5533, 28.5302,
58.5933

■ 16.9160, 13.2935,
56.3184

■ 35.6317, 35.6360,
59.6445

■ 14.3831, 10.0585,
55.8275

■ 42.7248, 43.8364,
60.8535

■ 12.5795, 7.6394,
55.4556

■ 50.8764, 53.1752,
62.2264

■ 11.4220, 5.9585,
55.1922

■ 60.1279, 63.6942,
63.7692

■ 10.9890, 5.2974,
55.0874

■ 70.5182, 75.4327,
65.4873

■ 82.0847, 88.4283,
67.3861

■ 87.4254, 96.9502,
68.7495

Harmonies

Analogous

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



19.7120, 22.4713, 59.4163



24.4417, 22.4713, 57.6928



28.8969, 22.4713, 45.4401

Triad

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



24.4417, 22.4713, 57.6928



27.7872, 22.4713, 9.7136



13.6968, 22.4713, 19.9382

Complementary

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



24.4417, 22.4713, 57.6928



44.0386, 48.1263, 22.0083

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.



15.2600, 22.4713, 11.2057



24.4417, 22.4713, 57.6928



23.0938, 22.4713, 6.9033

Square

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



24.4417, 22.4713, 57.6928



31.0146, 22.4713, 16.9632



18.5458, 22.4713, 7.3260



13.9484, 22.4713, 33.9111

Rectangle

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



24.4417, 22.4713, 57.6928



30.8978, 22.4713, 34.8108



18.5458, 22.4713, 7.3260



14.0172, 22.4713, 16.4074

Sweetspot

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



24.4425, 22.4721, 57.6933



75.7169, 77.9032, 105.6539



35.8292, 48.1362, 52.5771



15.5730, 15.9457, 22.5070



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.



24.4425, 22.4721, 57.6933



35.5413, 30.7351, 98.6670



26.7889, 21.0449, 57.2942



10.1987, 10.5716, 13.4205



7.0324, 3.4586, 35.0413



0.3792, 0.2562, 1.6746

Inverse Universe

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



33.2705, 25.1556, 22.8413



52.8681, 36.6287, 30.1218



40.4973, 51.2068, 22.7895



10.7056, 10.6656, 11.4329



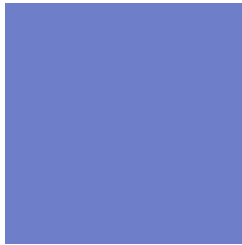
15.3489, 7.8891, 1.7815



0.7501, 0.3829, 0.2071

Previews

White Background



This preview shows how the XYZ color 24.4417, 22.4713, 57.6928 looks on a white background.

Color Contrast Check

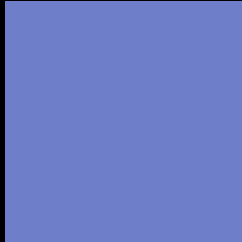
Large Text (above 18pt) WCAG AA ✓ Pass

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 24.4417, 22.4713, 57.6928 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

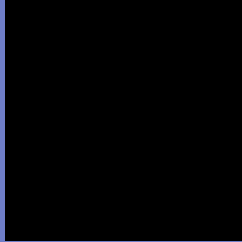
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 24.4417, 22.4713, 57.6928

Background



This preview shows how black text looks on a background with the XYZ color 24.4417, 22.4713, 57.6928.

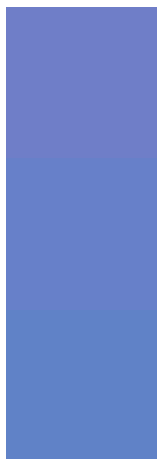


This preview shows how white text looks on a background with the XYZ color 24.4417, 22.4713,

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

24.4417, 22.4713, 57.6928

Protanopia

23.8553, 22.5390, 58.3515

Deuteranopia

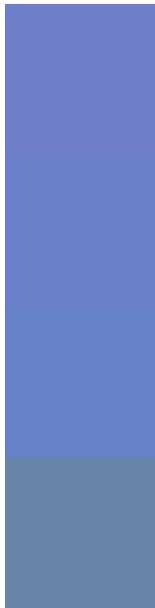
23.1153, 22.5756, 57.1720



Tritanopia

19.2207, 22.5708, 31.3605

Trichromacy



Original Color

24.4417, 22.4713, 57.6928

Protanomaly

24.0758, 22.4600, 58.3246

Deuteranomaly

23.5259, 22.5907, 57.1533

Tritanomaly

20.8421, 22.3899, 39.7824

Monochromacy



Original Color

24.4417, 22.4713, 57.6928

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.9350, 22.2780, 34.1543

CSS Examples

Text

The CSS property to change the color of the text to XYZ 24.4417, 22.4713, 57.6928 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(111, 126, 200)` looks like.

```
.text, #text, p{  
    color:rgb(111, 126, 200)  
}
```

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(111, 126, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(111, 126, 200) }
```

Border

The CSS property to change the border of an element to XYZ 24.4417, 22.4713, 57.6928 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(111, 126, 200) }
```


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

```
.border{ border-color:rgb(111, 126, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(111, 126, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(111, 126, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(111, 126, 200);  
box-shadow:4px 4px 4px 4px rgb(111, 126,  
200) }
```

Background

The CSS property to change the background color of an element to XYZ 24.4417, 22.4713, 57.6928 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(111, 126, 200) }
```

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

```
.background{ background-color: rgb(111,  
126, 200) }
```

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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