

Converting Colors

XYZ(22.7018, 22.2050, 48.3944)

Have a look what the booklet for
XYZ(22.7018, 22.2050, 48.3944)
contains.

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Color

**XYZ(22.6776, 22.1502,
48.4276)**

Conversions

Conversions Part 1

Format	Color
Hex	6D80B8
RGB	109, 128, 184
RGB Percent	43%, 50%, 72%
CMY	0.5725, 0.4980, 0.2784
CMYK	0.41, 0.30, 0.00, 0.28
HSL	225°, 35%, 57%
HSV	225°, 41%, 72%
XYZ	22.6776, 22.1502, 48.4276
YIQ	128.7030, -29.3000, 13.3880

Conversions

Conversions Part 2

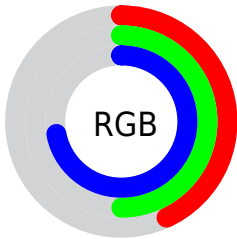
Format	Color
R _Y B	109, 124, 184
Decimal	7176376
CIE Lab	54.19, 7.59, -31.66
CIE LCh	54, 32.552, 283.482
Yxy	22.1502, 0.2432, 0.2375
Android (android.graphics.Color)	4285366456 (0xFF6D80B8)
YUV	128.7030, 27.2614, -17.2795
Hunter-Lab	47.0640, 3.6475, -28.0630

Details

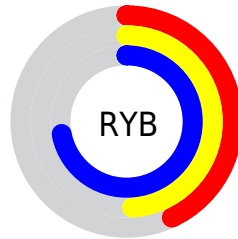
The XYZ color **22.6776, 22.1502, 48.4276** is a dark color, and the websafe version is hex **666699**. A complement of this color would be **35.9835, 38.2059, 19.9470**, and the grayscale version is **20.6782, 21.7551, 23.6913**.

A 20% lighter version of the original color is **47.3563, 47.1255, 89.0383**, and **8.5236, 8.0714, 22.5814** is the 20% darker color. If you saturate the color by 10%, you get **18.9742, 17.7588, 47.7756**, and if you desaturate by 10%, it is **27.0990, 27.2728, 49.1837**.

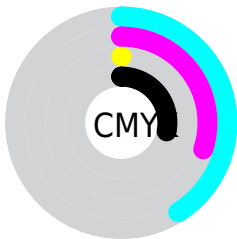
Distribution



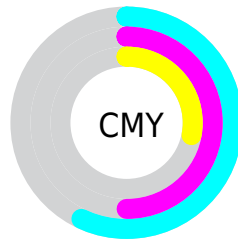
- Red (43%)
- Green (50%)
- Blue (72%)



- Red (43%)
- Yellow (49%)
- Blue (72%)



- Cyan (41%)
- Magenta (30%)
- Yellow (0%)
- Black (28%)



- Cyan (57%)
- Magenta (50%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.6776, 22.1502, 48.4276 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 22.6776, 22.1502, 48.4276 by changing the saturation by 10% instead.

■ 22.6776, 22.1502,
48.4276

■ 22.6776, 22.1502,
48.4276

258.6311,
263.3297, 397.0420

■ 14.4750, 13.9673,
33.8032

■ 47.3340, 46.9941,
89.2129

■ 8.5357, 8.0979,
22.4663

■ 64.5185, 64.4239,
116.2109

■ 4.4943, 4.1577,
13.9984

■ 85.4276, 85.7048,
148.1705

■ 1.9854, 1.7622,
7.9808

■ 110.4268,
111.2212, 185.5103

■ 0.6257, 0.4634,
3.9951

139.8814,
141.3575, 228.6488

■ 0.0000, 0.0000,
1.6226

174.1568,

■ 0.0000, 0.0000,

176.4981, 278.0046

0.3069

213.6182,
217.0273, 333.9961

■ 0.0000, 0.0000,
0.0000

■ 22.6776, 22.1502,
48.4276

■ 22.6776, 22.1502,
48.4276

■ 18.9742, 17.7588,
47.7756

■ 27.0990, 27.2728,
49.1837

■ 15.9471, 14.0615,
47.2215

■ 32.2724, 33.1565,
50.0467

■ 13.5534, 11.0212,
46.7608

■ 38.2325, 39.8324,
51.0212

■ 11.7443, 8.5963,
46.3881

■ 45.0110, 47.3291,
52.1109

■ 10.4628, 6.7395,
46.0972

■ 52.6378, 55.6738,
53.3196

■ 9.6528, 5.4628,
45.8935

■ 61.1414, 64.8923,
54.6508

■ 70.5487, 75.0094,
56.1078

■ 80.4413, 85.8196,
57.6730

■ 84.5933, 94.1237,
59.0570

Harmonies

Analogous

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



19.1794, 22.1502, 48.0040



22.6776, 22.1502, 48.4276



26.0844, 22.1502, 41.1760

Triad

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



22.6776, 22.1502, 48.4276



26.3793, 22.1502, 13.0508



15.1866, 22.1502, 18.9965

Complementary

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



22.6776, 22.1502, 48.4276



35.9835, 38.2059, 19.9470

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.



16.7143, 22.1502, 12.5726



22.6776, 22.1502, 48.4276



23.0450, 22.1502, 9.8565

Square

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



22.6776, 22.1502, 48.4276



28.3775, 22.1502, 19.8588



19.5081, 22.1502, 9.7102



15.1117, 22.1502, 28.9460

Rectangle

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



22.6776, 22.1502, 48.4276



27.7384, 22.1502, 33.8933



19.5081, 22.1502, 9.7102



15.5388, 22.1502, 16.4298

Sweetspot

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



22.6784, 22.1510, 48.4281



67.6584, 70.3712, 92.2216



30.1488, 40.2131, 41.2956



14.2740, 14.8227, 19.8304



88.6918, 93.3107, 101.6153



17.8044, 18.7317, 20.3988

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



22.6784, 22.1510, 48.4281



34.9729, 32.8856, 86.7089



22.7994, 18.8728, 47.7890



8.7011, 9.0794, 11.3733



6.7016, 3.8628, 31.6455



0.2873, 0.2383, 1.1326

Inverse Universe

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



29.1328, 22.6871, 23.2663



48.4908, 34.7196, 33.8516



35.7324, 43.5468, 20.9911



9.0955, 9.0486, 9.8501



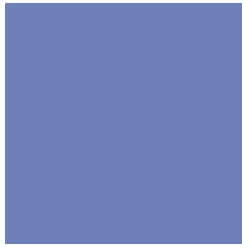
13.9963, 7.1723, 2.6014



0.5192, 0.2632, 0.2275

Previews

White Background



This preview shows how the XYZ color 22.6776, 22.1502, 48.4276 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 22.6776, 22.1502, 48.4276 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

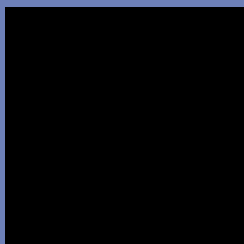
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

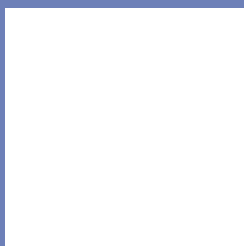
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.6776, 22.1502, 48.4276

Background



This preview shows how black text looks on a background with the XYZ color 22.6776, 22.1502, 48.4276.



This preview shows how white text looks on a background with the XYZ color 22.6776, 22.1502,

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

22.6776, 22.1502, 48.4276

Protanopia

22.8187, 22.0424, 47.8517

Deuteranopia

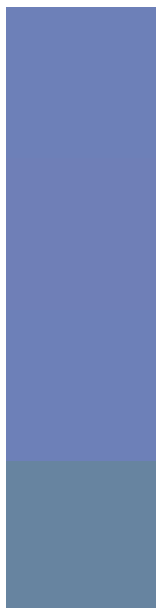
22.6776, 22.1502, 48.4276



Tritanopia

18.9979, 22.0559, 30.4501

Trichromacy



Original Color

22.6776, 22.1502, 48.4276

Protanomaly

22.6922, 21.9771, 47.8458

Deuteranomaly

22.6776, 22.1502, 48.4276

Tritanomaly

20.1899, 21.9242, 36.4254

Monochromacy



Original Color

22.6776, 22.1502, 48.4276

Achromatopsia

20.8660, 21.9526, 23.9064

Achromatomaly

21.3011, 22.0080, 31.5591

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.6776, 22.1502, 48.4276 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(109, 128, 184)` looks like.

```
.text, #text, p{  
    color:rgb(109, 128, 184)  
}
```

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(109, 128, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 128, 184) }
```

Border

The CSS property to change the border of an element to XYZ 22.6776, 22.1502, 48.4276 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(109, 128, 184) }
```


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

```
.border{ border-color:rgb(109, 128, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(109, 128, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(109, 128, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(109, 128, 184);  
box-shadow:4px 4px 4px 4px rgb(109, 128,  
184) }
```

Background

The CSS property to change the background color of an element to XYZ 22.6776, 22.1502, 48.4276 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 128, 184) }
```

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

```
.background{ background-color: rgb(109,  
128, 184) }
```

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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