

Converting Colors

XYZ(22.1919, 22.5979, 36.5980)

Have a look what the booklet for
XYZ(22.1919, 22.5979, 36.5980)
contains.

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Color

**XYZ(22.0735, 22.4964,
36.4365)**

Conversions

Conversions Part 1

Format	Color
Hex	7882A0
RGB	120, 130, 160
RGB Percent	47%, 51%, 63%
CMY	0.5294, 0.4902, 0.3725
CMYK	0.25, 0.19, 0.00, 0.37
HSL	225°, 17%, 55%
HSV	225°, 25%, 63%
XYZ	22.0735, 22.4964, 36.4365
YIQ	130.4300, -15.5900, 7.2100

Conversions

Conversions Part 2

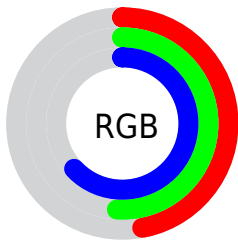
Format	Color
R_{YB}	120, 128, 160
Decimal	7897760
CIE Lab	54.55, 3.24, -17.22
CIE LCh	55, 17.518, 280.667
Yxy	22.4964, 0.2725, 0.2777
Android (android.graphics.Color)	4286087840 (0xFF7882A0)
YUV	130.4300, 14.5780, -9.1471
Hunter-Lab	47.4304, 0.0685, -12.3459

Details

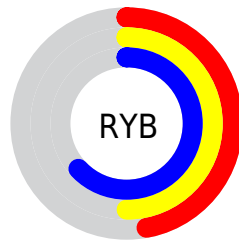
The XYZ color **22.0735, 22.4964, 36.4365** is a dark color, and the websafe version is hex **9999CC**. A complement of this color would be **28.7939, 30.6424, 22.1668**, and the grayscale version is **21.3249, 22.4354, 24.4322**.

A 20% lighter version of the original color is **46.4328, 47.6575, 71.0415**, and **8.1750, 8.2697, 15.3527** is the 20% darker color. If you saturate the color by 10%, you get **18.5332, 18.4389, 35.8403**, and if you desaturate by 10%, it is **26.1722, 27.1192, 37.1131**.

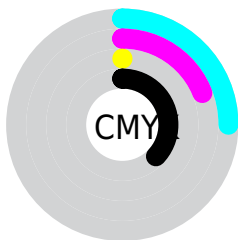
Distribution



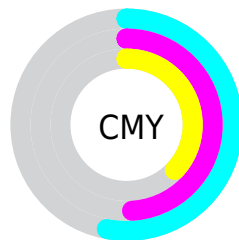
- Red (47%)
- Green (51%)
- Blue (63%)



- Red (47%)
- Yellow (50%)
- Blue (63%)



- Cyan (25%)
- Magenta (19%)
- Yellow (0%)
- Black (37%)



- Cyan (53%)
- Magenta (49%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.0735, 22.4964, 36.4365 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 22.0735, 22.4964, 36.4365 by changing the saturation by 10% instead.

■ 22.0735, 22.4964,
36.4365

■ 22.0735, 22.4964,
36.4365

255.5550,
265.1277, 345.9593

■ 14.0278, 14.2221,
24.4791

■ 46.3454, 47.5651,
70.8819

■ 8.2219, 8.2753,
15.4739

■ 63.3023, 65.1282,
94.2070

■ 4.2902, 4.2716,
9.0024

■ 83.9604, 86.5565,
122.1584

■ 1.8676, 1.8266,
4.6459

108.6849,
112.2342, 155.1547

■ 0.5579, 0.5037,
1.9860

137.8413,
142.5458, 193.6144

■ 0.0000, 0.0000,
0.5466

171.7949,

■ 0.0000, 0.0000,

177.8757, 237.9560

0.0000

210.9110,
218.6082, 288.5982

■ 22.0735, 22.4964,
36.4365

■ 22.0735, 22.4964,
36.4365

■ 18.5332, 18.4389,
35.8403

■ 26.1722, 27.1192,
37.1131

■ 15.5243, 14.9217,
35.3200

■ 30.8504, 32.3255,
37.8715

■ 13.0209, 11.9220,
34.8729

■ 36.1306, 38.1361,
38.7148

■ 10.9938, 9.4142,
34.4957

■ 42.0335, 44.5699,
39.6455

■ 9.4108, 7.3702,
34.1846

■ 48.5788, 51.6449,
40.6661

■ 8.2353, 5.7590,
33.9356

■ 55.7853, 59.3784,
41.7790

■ 7.4226, 4.5442,
33.7439

■ 63.6711, 67.7872,
42.9864

■ 7.1042, 4.0560,
33.6665

■ 72.2536, 76.8872,
44.2906

■ 78.1594, 84.9464,
45.5349

Harmonies

Analogous

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



20.1820, 22.4964, 35.8998



22.0735, 22.4964, 36.4365



23.8818, 22.4964, 33.4311

Triad

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



22.0735, 22.4964, 36.4365



24.3094, 22.4964, 18.2251



18.0813, 22.4964, 21.1555

Complementary

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



22.0735, 22.4964, 36.4365



28.7939, 30.6424, 22.1668

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.



19.0633, 22.4964, 17.3123



22.0735, 22.4964, 36.4365



22.6290, 22.4964, 15.8040

Square

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



22.0735, 22.4964, 36.4365



25.2231, 22.4964, 22.5875



20.7054, 22.4964, 15.4970



17.9524, 22.4964, 26.5064

Rectangle

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



22.0735, 22.4964, 36.4365



24.7682, 22.4964, 30.0537



20.7054, 22.4964, 15.4970



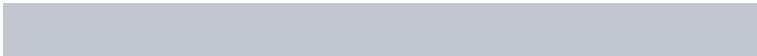
18.3197, 22.4964, 19.6674

Sweetspot

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



22.0742, 22.4973, 36.4370



54.1103, 56.5834, 68.4563



25.7685, 31.3157, 33.2603



11.7639, 12.2949, 14.9968



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



22.0742, 22.4973, 36.4370



36.3709, 36.6132, 65.5366



22.1661, 20.6649, 36.0785



6.4128, 6.6914, 8.3603



5.5648, 3.2211, 26.2357



0.1299, 0.1184, 0.4792

Inverse Universe

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



25.2435, 22.5188, 24.1362



43.1853, 36.8525, 39.0450



28.6621, 33.0455, 22.6376



6.6977, 6.6720, 7.2593



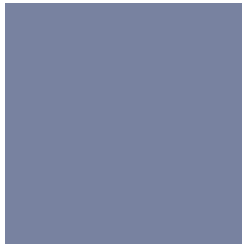
11.6070, 5.9474, 2.1817



0.2229, 0.1125, 0.1198

Previews

White Background



This preview shows how the XYZ color 22.0735, 22.4964, 36.4365 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 22.0735, 22.4964, 36.4365 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

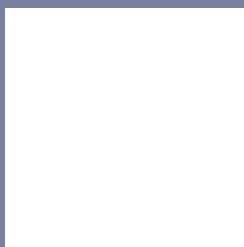
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 22.0735, 22.4964, 36.4365

Background



This preview shows how black text looks on a background with the XYZ color 22.0735, 22.4964, 36.4365.

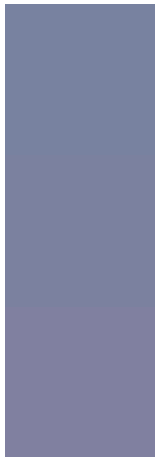


This preview shows how white text looks on a background with the XYZ color 22.0735, 22.4964,

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

22.0735, 22.4964, 36.4365

Protanopia

22.2766, 22.4147, 35.9532

Deuteranopia

22.9664, 22.5656, 36.4028



Tritanopia

20.6816, 22.5401, 29.2472

Trichromacy



Original Color

22.0735, 22.4964, 36.4365

Protanomaly

22.1343, 22.3413, 35.9466

Deuteranomaly

22.6529, 22.5986, 36.4257

Tritanomaly

21.1473, 22.5240, 31.6668

Monochromacy



Original Color

22.0735, 22.4964, 36.4365

Achromatopsia

21.2178, 22.3228, 24.3095

Achromatomaly

21.3945, 22.3240, 28.3806

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.0735, 22.4964, 36.4365 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(120, 130, 160)` looks like.

```
.text, #text, p{  
    color:rgb(120, 130, 160)  
}
```

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(120, 130, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(120, 130, 160) }
```

Border

The CSS property to change the border of an element to XYZ 22.0735, 22.4964, 36.4365 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(120, 130, 160) }
```


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

```
.border{ border-color:rgb(120, 130, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(120, 130, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(120, 130, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(120, 130, 160);  
box-shadow:4px 4px 4px 4px rgb(120, 130,  
160) }
```

Background

The CSS property to change the background color of an element to XYZ 22.0735, 22.4964, 36.4365 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(120, 130, 160) }
```

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

```
.background{ background-color: rgb(120,  
130, 160) }
```

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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