

Converting Colors

XYZ(22.8751, 16.4797, 55.2017)

Have a look what the booklet for
XYZ(22.8751, 16.4797, 55.2017)
contains.

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Color

**XYZ(22.8598, 16.4179,
55.3902)**

Conversions

Conversions Part 1

Format	Color
Hex	7F5DC6
RGB	127, 93, 198
RGB Percent	50%, 36%, 78%
CMY	0.5019, 0.6353, 0.2235
CMYK	0.36, 0.53, 0.00, 0.22
HSL	259°, 48%, 57%
HSV	259°, 53%, 78%
XYZ	22.8598, 16.4179, 55.3902
YIQ	115.1360, -13.4410, 39.8630

Conversions

Conversions Part 2

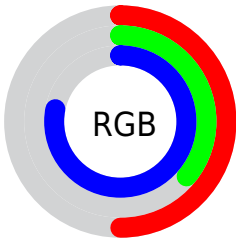
Format	Color
R_{YB}	127, 93, 198
Decimal	8347078
CIE _{Lab}	47.52, 37.16, -50.14
CIE _{LCh}	48, 62.411, 306.540
Yxy	16.4179, 0.2415, 0.1734
Android (android.graphics.Color)	4286537158 (0xFF7F5DC6)
YUV	115.1360, 40.8520, 10.4047
Hunter-Lab	40.5190, 29.7969, -52.6872

Details

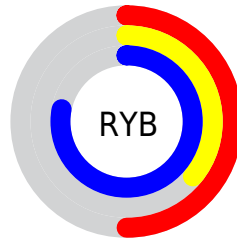
The XYZ color **22.8598, 16.4179, 55.3902** is a dark color, and the websafe version is hex **9966CC**. The color can be described as middle muted purple. A complement of this color would be **37.4796, 49.0711, 17.8526**, and the grayscale version is **16.2204, 17.0651, 18.5839**.

A 20% lighter version of the original color is **47.5517, 37.2338, 99.2883**, and **8.5688, 5.2377, 26.5459** is the 20% darker color. If you saturate the color by 10%, you get **19.4784, 12.4205, 54.7972**, and if you desaturate by 10%, it is **26.9574, 21.4528, 56.1464**.

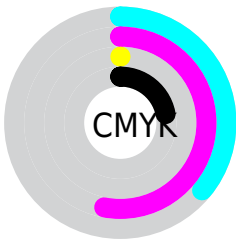
Distribution



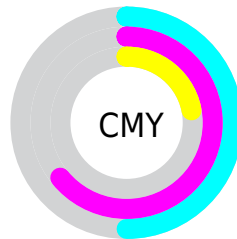
- Red (50%)
- Green (36%)
- Blue (78%)



- Red (50%)
- Yellow (36%)
- Blue (78%)



- Cyan (36%)
- Magenta (53%)
- Yellow (0%)
- Black (22%)



- Cyan (50%)
- Magenta (64%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.8598, 16.4179, 55.3902 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 22.8598, 16.4179, 55.3902 by changing the saturation by 10% instead.

■ 22.8598, 16.4179,
55.3902

■ 22.8598, 16.4179,
55.3902

259.5529,
231.7952, 424.7129

■ 14.6101, 9.8204,
39.3135

■ 47.6314, 37.3222,
99.5893

■ 8.6308, 5.2800,
26.6940

■ 64.8840, 52.3977,
128.5488

■ 4.5563, 2.4125,
17.1131

■ 85.8683, 71.0680,
162.6396

■ 2.0214, 0.8323,
10.1524

■ 110.9497, 93.7175,
202.2803

■ 0.6459, 0.0000,
5.3932

140.4935,
120.7306, 247.8895

■ 0.0000, 0.0000,
2.4170

174.8650,

■ 0.0000, 0.0000,

152.4916, 299.8856

0.7957

214.4297,
189.3850, 358.6872

■ 0.0000, 0.0000,
0.0000

■ 22.8598, 16.4179,
55.3902

■ 22.8598, 16.4179,
55.3902

■ 19.4784, 12.4205,
54.7972

■ 26.9574, 21.4528,
56.1464

■ 16.7653, 9.3825,
54.3538

■ 31.8107, 27.5918,
57.0755

■ 14.6693, 7.2171,
54.0463

■ 37.4585, 34.8981,
58.1881

■ 13.1294, 5.8201,
53.8578

■ 43.9362, 43.4293,
59.4934

■ 12.3152, 5.1712,
53.7755

■ 51.2770, 53.2392,
61.0000

■ 59.5122, 64.3785,
62.7161

■ 68.6716, 76.8949,
64.6492

■ 78.7834, 90.8338,
66.8067

■ 84.4864, 95.4619,
67.3995

Harmonies

Analogous

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



16.8521, 16.4179, 68.6755



22.8598, 16.4179, 55.3902



27.5839, 16.4179, 33.0124

Triad

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



22.8598, 16.4179, 55.3902



20.2503, 16.4179, 1.9428



7.2225, 16.4179, 21.5884

Complementary

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



22.8598, 16.4179, 55.3902



37.4796, 49.0711, 17.8526

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.



7.7197, 16.4179, 8.2610



22.8598, 16.4179, 55.3902



14.4205, 16.4179, 1.4595

Square

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



22.8598, 16.4179, 55.3902



25.8448, 16.4179, 5.1556



10.0743, 16.4179, 2.8483



8.5052, 16.4179, 42.9454

Rectangle

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



22.8598, 16.4179, 55.3902



28.8644, 16.4179, 19.7847



10.0743, 16.4179, 2.8483



7.1926, 16.4179, 16.0947

Sweetspot

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



22.8605, 16.4185, 55.3906



73.9560, 71.8125, 104.5710



28.1177, 33.2249, 58.3575



15.3117, 14.6880, 22.2780



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.



22.8605, 16.4185, 55.3906



33.4752, 20.8276, 96.8635



32.6404, 21.4602, 55.8483



10.3747, 10.4514, 13.3880



8.0891, 3.4043, 34.9751



0.4594, 0.2006, 1.6596

Inverse Universe

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



33.9040, 22.5151, 37.6802



55.7284, 33.1511, 59.4323



28.8842, 44.6400, 17.4503



10.9313, 10.7559, 12.6218



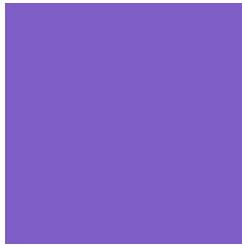
17.9789, 8.9411, 15.6304



0.8834, 0.4362, 0.9094

Previews

White Background



This preview shows how the XYZ color 22.8598, 16.4179, 55.3902 looks on a white background.

Color Contrast Check

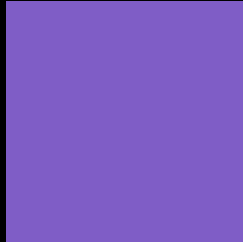
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 22.8598, 16.4179, 55.3902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

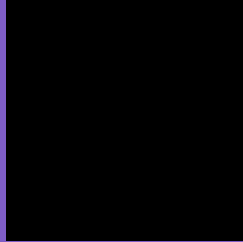
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 22.8598, 16.4179, 55.3902

Background



This preview shows how black text looks on a background with the XYZ color 22.8598, 16.4179, 55.3902.



This preview shows how white text looks on a background with the XYZ color 22.8598, 16.4179,

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

22.8598, 16.4179, 55.3902

Protanopia

19.1276, 16.5766, 65.8098

Deuteranopia

17.0591, 16.6149, 52.7600



Tritanopia

15.8009, 16.3483, 20.4119

Trichromacy



Original Color

22.8598, 16.4179, 55.3902

Protanomaly

19.6288, 16.0039, 61.7290

Deuteranomaly

18.2288, 15.9105, 53.7400

Tritanomaly

17.8125, 16.0550, 30.5939

Monochromacy



Original Color

22.8598, 16.4179, 55.3902

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.9763, 16.4817, 29.0219

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.8598, 16.4179, 55.3902 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(127, 93, 198)` looks like.

```
.text, #text, p{  
  color:rgb(127, 93, 198)  
}
```

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(127, 93, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 93, 198) }
```

Border

The CSS property to change the border of an element to XYZ 22.8598, 16.4179, 55.3902 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(127, 93, 198) }
```


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

```
.border{ border-color:rgb(127, 93, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(127, 93, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 93, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 93, 198);  
box-shadow:4px 4px 4px 4px rgb(127, 93,  
198) }
```

Background

The CSS property to change the background color of an element to XYZ 22.8598, 16.4179, 55.3902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 93, 198) }
```

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

```
.background{ background-color: rgb(127, 93,  
198) }
```

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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