

Converting Colors

XYZ(22.5397, 18.2363, 30.2376)

Have a look what the booklet for
XYZ(22.5397, 18.2363, 30.2376)
contains.

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Color

**XYZ(22.5900, 18.2282,
30.3447)**

Conversions

Conversions Part 1

Format	Color
Hex	956794
RGB	149, 103, 148
RGB Percent	58%, 40%, 58%
CMY	0.4157, 0.5961, 0.4196
CMYK	0.00, 0.31, 0.01, 0.42
HSL	301°, 18%, 49%
HSV	301°, 31%, 58%
XYZ	22.5900, 18.2282, 30.3447
YIQ	121.8840, 12.9710, 23.7470

Conversions

Conversions Part 2

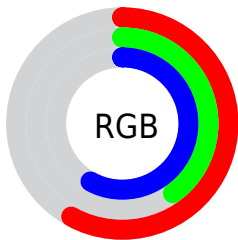
Format	Color
R _Y B	149, 103, 148
Decimal	9791380
CIE Lab	49.77, 26.22, -17.24
CIE LCh	50, 31.376, 326.673
Yxy	18.2282, 0.3174, 0.2561
Android (android.graphics.Color)	4287981460 (0xFF956794)
YUV	121.8840, 12.8752, 23.7807
Hunter-Lab	42.6945, 19.7304, -12.2536

Details

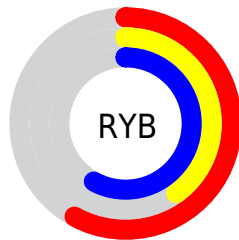
The XYZ color **22.5900, 18.2282, 30.3447** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **18.8405, 25.3786, 17.0034**, and the grayscale version is **18.4177, 19.3769, 21.1014**.

A 20% lighter version of the original color is **47.2839, 40.5443, 61.2108**, and **8.4536, 6.1368, 12.0482** is the 20% darker color. If you saturate the color by 10%, you get **21.2126, 15.5140, 29.7593**, and if you desaturate by 10%, it is **24.2328, 21.4723, 31.0193**.

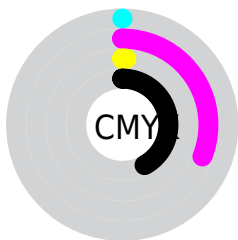
Distribution



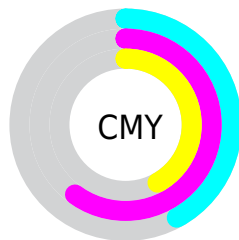
- Red (58%)
- Green (40%)
- Blue (58%)



- Red (58%)
- Yellow (40%)
- Blue (58%)



- Cyan (0%)
- Magenta (31%)
- Yellow (1%)
- Black (42%)



- Cyan (42%)
- Magenta (60%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 22.5900, 18.2282, 30.3447 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 22.5900, 18.2282, 30.3447 by changing the saturation by 10% instead.

■ 22.5900, 18.2282,
30.3447

■ 22.5900, 18.2282,
30.3447

258.1869,
242.1542, 317.7651

■ 14.4101, 11.1139,
19.8461

■ 47.1909, 40.4258,
61.2743

■ 8.4900, 6.1435,
12.1003

■ 64.3425, 56.2779,
82.5424

■ 4.4645, 2.9326,
6.6886

■ 85.2154, 75.8115,
108.2374

■ 1.9681, 1.0966,
3.1927

■ 110.1750, 99.4108,
138.7779

■ 0.6160, 0.0000,
1.1938

139.5866,
127.4604, 174.5823

■ 0.0000, 0.0000,
0.0000

173.8156,

160.3445, 216.0693

213.2272,
198.4476, 263.6574

■ 22.5900, 18.2282,
30.3447

■ 22.5900, 18.2282,
30.3447

■ 21.2126, 15.5140,
29.7593

■ 24.2328, 21.4723,
31.0193

■ 20.0847, 13.2992,
29.2573

■ 26.1521, 25.2698,
31.7862

■ 19.1917, 11.5539,
28.8339

■ 28.3608, 29.6458,
32.6499

■ 18.5165, 10.2442,
28.4835

■ 30.8702, 34.6231,
33.6142

■ 18.0398, 9.3314,
28.1996

■ 33.6911, 40.2233,
34.6827

■ 17.7390, 8.7702,
27.9747

■ 36.8338, 46.4670,
35.8588

■ 17.5643, 8.4575,
27.8030

■ 40.3080, 53.3736,
37.1458

■ 44.1232, 60.9621,
38.5468

■ 48.2884, 69.2503,
40.0648

Harmonies

Analogous

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



20.0380, 18.2282, 38.5088



22.5900, 18.2282, 30.3447



23.7260, 18.2282, 20.8190

Triad

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



22.5900, 18.2282, 30.3447



17.6614, 18.2282, 7.5252



12.6766, 18.2282, 28.1993

Complementary

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



22.5900, 18.2282, 30.3447



18.8405, 25.3786, 17.0034

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.



12.1937, 18.2282, 18.9065



22.5900, 18.2282, 30.3447



14.8693, 18.2282, 8.4657

Square

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



22.5900, 18.2282, 30.3447



20.6820, 18.2282, 9.0192



12.9497, 18.2282, 12.1021



14.3531, 18.2282, 37.0404

Rectangle

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



22.5900, 18.2282, 30.3447



23.4409, 18.2282, 15.4860



12.9497, 18.2282, 12.1021



12.3783, 18.2282, 24.9592

Sweetspot

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



22.5906, 18.2290, 30.3451



47.4651, 46.5032, 57.1727



15.9578, 14.8005, 30.4500



10.4084, 10.0869, 12.6267



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



22.5906, 18.2290, 30.3451



38.7090, 29.2015, 53.6050



20.9620, 17.5776, 21.7691



6.0299, 5.9070, 7.2637



14.7840, 7.1187, 23.4076



0.1823, 0.0877, 0.2938

Inverse Universe

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



22.5906, 18.2290, 30.3451



38.7090, 29.2015, 53.6050



20.1573, 25.9053, 23.9376



6.0299, 5.9070, 7.2637



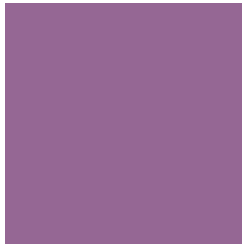
14.7840, 7.1187, 23.4076



0.1823, 0.0877, 0.2938

Previews

White Background



This preview shows how the XYZ color 22.5900, 18.2282, 30.3447 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 22.5900, 18.2282, 30.3447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

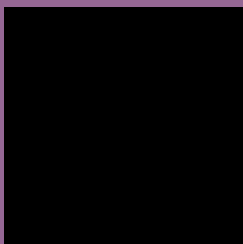
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 22.5900, 18.2282, 30.3447

Background



This preview shows how black text looks on a background with the XYZ color 22.5900, 18.2282, 30.3447.



This preview shows how white text looks on a background with the XYZ color 22.5900, 18.2282,

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

22.5900, 18.2282, 30.3447

Protanopia

18.5962, 18.3170, 34.9032

Deuteranopia

18.7698, 18.3480, 29.7464



Tritanopia

20.3566, 18.2414, 19.2777

Trichromacy



Original Color

22.5900, 18.2282, 30.3447

Protanomaly

19.6529, 18.0590, 33.0218

Deuteranomaly

20.0042, 18.1426, 30.0513

Tritanomaly

21.0080, 18.1849, 22.8249

Monochromacy



Original Color

22.5900, 18.2282, 30.3447

Achromatopsia

18.4984, 19.4618, 21.1939

Achromatomaly

19.7432, 18.8057, 24.0620

CSS Examples

Text

The CSS property to change the color of the text to XYZ 22.5900, 18.2282, 30.3447 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(149, 103, 148)` looks like.

```
.text, #text, p{  
    color:rgb(149, 103, 148)  
}
```

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(149, 103, 148) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 103, 148) }
```

Border

The CSS property to change the border of an element to XYZ 22.5900, 18.2282, 30.3447 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(149, 103, 148) }
```


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

```
.border{ border-color:rgb(149, 103, 148) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 103, 148)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 103, 148); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 103, 148);  
box-shadow:4px 4px 4px 4px rgb(149, 103,  
148) }
```

Background

The CSS property to change the background color of an element to XYZ 22.5900, 18.2282, 30.3447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 103, 148) }
```

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

```
.background{ background-color: rgb(149,  
103, 148) }
```

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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