

Converting Colors

XYZ(19.9458, 16.1395, 30.4978)

Have a look what the booklet for
XYZ(19.9458, 16.1395, 30.4978)
contains.

XYZ(19.9458, 16.1395, 30.4978)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	28
<i>CSS Examples</i>	31

Color

**XYZ(19.9458, 16.1395,
30.4978)**

Conversions

Conversions Part 1

Format	Color
Hex	886295
RGB	136, 98, 149
RGB Percent	53%, 38%, 58%
CMY	0.4667, 0.6157, 0.4157
CMYK	0.09, 0.34, 0.00, 0.42
HSL	285°, 21%, 48%
HSV	285°, 34%, 58%
XYZ	19.9458, 16.1395, 30.4978
YIQ	115.1760, 6.2770, 23.9170

Conversions

Conversions Part 2

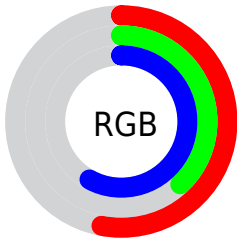
Format	Color
R _Y B	136, 98, 149
Decimal	8938133
CIE Lab	47.16, 24.90, -21.97
CIE LCh	47, 33.203, 318.579
Yxy	16.1395, 0.2996, 0.2424
Android (android.graphics.Color)	4287128213 (0xFF886295)
YUV	115.1760, 16.6752, 18.2626
Hunter-Lab	40.1740, 18.3181, -16.8878

Details

The XYZ color **19.9458, 16.1395, 30.4978** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **19.5082, 25.7567, 15.4994**, and the grayscale version is **16.2991, 17.1480, 18.6741**.

A 20% lighter version of the original color is **42.7621, 36.7538, 61.3403**, and **7.1347, 5.1808, 12.1792** is the 20% darker color. If you saturate the color by 10%, you get **18.0735, 13.2941, 30.0475**, and if you desaturate by 10%, it is **22.1006, 19.5166, 31.0363**.

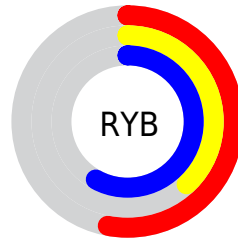
Distribution



Red (53%)

Green (38%)

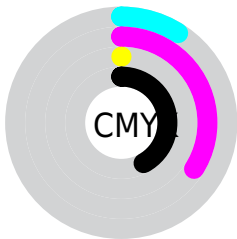
Blue (58%)



Red (53%)

Yellow (38%)

Blue (58%)

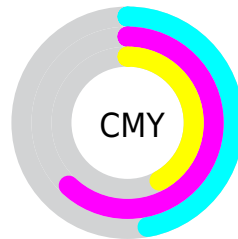


Cyan (9%)

Magenta (34%)

Yellow (0%)

Black (42%)



Cyan (47%)

Magenta (62%)

Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.9458, 16.1395, 30.4978 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 19.9458, 16.1395, 30.4978 by changing the saturation by 10% instead.

■ 19.9458, 16.1395,
30.4978

■ 19.9458, 16.1395,
30.4978

244.4607,
230.1635, 318.4972

■ 12.4637, 9.6229,
19.9615

■ 42.8309, 36.8402,
61.5188

■ 7.1347, 5.1497,
12.1833

■ 58.9647, 51.7931,
82.8406

■ 3.5936, 2.3353,
6.7446

■ 78.7130, 70.3270,
108.5946

■ 1.4749, 0.7923,
3.2268

■ 102.4412, 92.8261,
139.1994

■ 0.3086, 0.0000,
1.2116

130.5148,
119.6749, 175.0735

■ 0.0000, 0.0000,
0.0000

163.2990,

151.2578, 216.6355

201.1592,
187.9592, 264.3039

■ 19.9458, 16.1395,
30.4978

■ 19.9458, 16.1395,
30.4978

■ 18.0735, 13.2941,
30.0475

■ 22.1006, 19.5166,
31.0363

■ 16.4674, 10.9494,
29.6796

■ 24.5498, 23.4501,
31.6665

■ 15.1119, 9.0743,
29.3891

■ 27.3065, 27.9655,
32.3928

■ 13.9893, 7.6332,
29.1701

■ 30.3826, 33.0864,
33.2190

■ 13.0788, 6.5855,
29.0159

■ 33.7894, 38.8347,
34.1490

■ 12.3556, 5.8815,
28.9181

■ 37.5373, 45.2315,
35.1862

■ 11.9828, 5.5507,
28.8739

■ 41.6367, 52.2967,
36.3338

■ 46.0972, 60.0494,
37.5952

■ 50.9281, 68.5081,
38.9733

Harmonies

Analogous

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



17.1989, 16.1395, 37.6387



19.9458, 16.1395, 30.4978



21.5259, 16.1395, 20.9523

Triad

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



19.9458, 16.1395, 30.4978



16.4786, 16.1395, 6.0566



10.6111, 16.1395, 23.2087

Complementary

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



19.9458, 16.1395, 30.4978



19.5082, 25.7567, 15.4994

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.



10.4698, 16.1395, 14.5784



19.9458, 16.1395, 30.4978



13.6203, 16.1395, 6.3156

Square

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



19.9458, 16.1395, 30.4978



19.3612, 16.1395, 8.0650



11.5043, 16.1395, 8.9393



11.9183, 16.1395, 32.5937

Rectangle

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



19.9458, 16.1395, 30.4978



21.5865, 16.1395, 15.2825



11.5043, 16.1395, 8.9393



10.4324, 16.1395, 20.0820

Sweetspot

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



19.9463, 16.1402, 30.4982



45.8840, 45.1216, 57.2122



16.2126, 16.2676, 30.7195



10.0325, 9.7774, 12.6433



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.



19.9463, 16.1402, 30.4982



33.1256, 24.9445, 53.9901



21.2851, 16.9346, 25.8519



5.8925, 5.8356, 7.2855



10.1134, 4.6862, 24.3025



0.1510, 0.0714, 0.2987

Inverse Universe

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



19.6319, 16.2733, 17.1460



32.5976, 25.2927, 25.9369



18.5940, 25.2156, 18.6111



5.8579, 5.8382, 6.3577



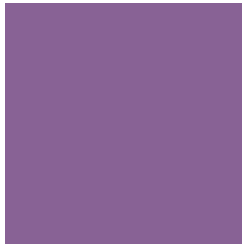
10.7365, 5.4997, 2.0936



0.1419, 0.0715, 0.0810

Previews

White Background



This preview shows how the XYZ color 19.9458, 16.1395, 30.4978 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 19.9458, 16.1395, 30.4978 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

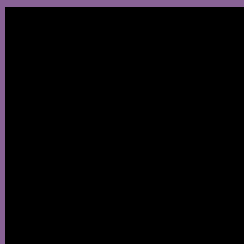
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.9458, 16.1395, 30.4978

Background



This preview shows how black text looks on a background with the XYZ color 19.9458, 16.1395, 30.4978.



This preview shows how white text looks on a background with the XYZ color 19.9458, 16.1395,

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

19.9458, 16.1395, 30.4978

Protanopia

16.7637, 16.1965, 35.0436

Deuteranopia

16.5513, 16.2015, 29.8586



Tritanopia

17.3923, 16.1207, 17.8177

Trichromacy



Original Color

19.9458, 16.1395, 30.4978

Protanomaly

17.6260, 16.0541, 33.1801

Deuteranomaly

17.7018, 16.1592, 30.2030

Tritanomaly

18.1901, 15.9956, 21.8674

Monochromacy



Original Color

19.9458, 16.1395, 30.4978

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.4678, 16.6805, 22.3777

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.9458, 16.1395, 30.4978 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(136, 98, 149)` looks like.

```
.text, #text, p{  
    color:rgb(136, 98, 149)  
}
```

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(136, 98, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 98, 149) }
```

Border

The CSS property to change the border of an element to XYZ 19.9458, 16.1395, 30.4978 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(136, 98, 149) }
```


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

```
.border{ border-color:rgb(136, 98, 149) }
```

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

Here you see how a box with a 4 pixel rgb(136, 98, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 98, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 98, 149);  
box-shadow:4px 4px 4px 4px rgb(136, 98,  
149) }
```

Background

The CSS property to change the background color of an element to XYZ 19.9458, 16.1395, 30.4978 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 98, 149) }
```

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

```
.background{ background-color: rgb(136, 98,  
149) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor