

Converting Colors

XYZ(19.6152, 16.3518, 29.0369)

Have a look what the booklet for
XYZ(19.6152, 16.3518, 29.0369)
contains.

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Color

**XYZ(19.4995, 16.2270,
28.8925)**

Conversions

Conversions Part 1

Format	Color
Hex	866491
RGB	134, 100, 145
RGB Percent	53%, 39%, 57%
CMY	0.4745, 0.6078, 0.4314
CMYK	0.08, 0.31, 0.00, 0.43
HSL	285°, 18%, 48%
HSV	285°, 31%, 57%
XYZ	19.4995, 16.2270, 28.8925
YIQ	115.2960, 5.8190, 21.2030

Conversions

Conversions Part 2

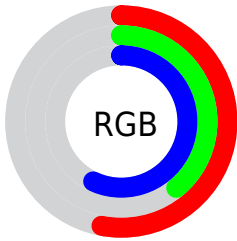
Format	Color
R_{YB}	134, 100, 145
Decimal	8807569
CIE _{Lab}	47.27, 22.17, -19.43
CIE _{LCh}	47, 29.484, 318.770
Yxy	16.2270, 0.3018, 0.2511
Android (android.graphics.Color)	4286997649 (0xFF866491)
YUV	115.2960, 14.6441, 16.4034
Hunter-Lab	40.2828, 15.9109, -14.3274

Details

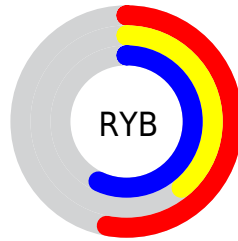
The XYZ color **19.4995, 16.2270, 28.8925** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **18.9818, 24.5509, 15.7957**, and the grayscale version is **16.3416, 17.1927, 18.7228**.

A 20% lighter version of the original color is **42.1144, 36.9481, 58.9449**, and **6.9496, 5.2392, 11.2347** is the 20% darker color. If you saturate the color by 10%, you get **17.6752, 13.4028, 28.4438**, and if you desaturate by 10%, it is **21.5913, 19.5574, 29.4253**.

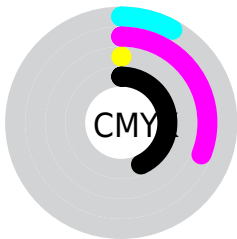
Distribution



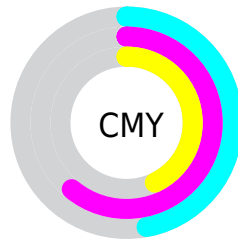
- Red (53%)
- Green (39%)
- Blue (57%)



- Red (53%)
- Yellow (39%)
- Blue (57%)



- Cyan (8%)
- Magenta (31%)
- Yellow (0%)
- Black (43%)



- Cyan (47%)
- Magenta (61%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4995, 16.2270, 28.8925 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 19.4995, 16.2270, 28.8925 by changing the saturation by 10% instead.

■ 19.4995, 16.2270,
28.8925

■ 19.4995, 16.2270,
28.8925

242.0781,
230.6775, 310.7525

■ 12.1379, 9.6849,
18.7546

■ 42.0868, 36.9918,
58.9464

■ 6.9105, 5.1906,
11.3181

■ 58.0433, 51.9834,
79.6995

■ 3.4520, 2.3595,
6.1644

■ 77.5954, 70.5602,
104.8281

■ 1.3971, 0.8049,
2.8749

■ 101.1085, 93.1068,
134.7507

■ 0.2541, 0.0000,
1.0311

128.9479,
120.0073, 169.8860

■ 0.0000, 0.0000,
0.0000

161.4791,

151.6464, 210.6523

199.0674,
188.4083, 257.4683

■ 19.4995, 16.2270,
28.8925

■ 19.4995, 16.2270,
28.8925

■ 17.6752, 13.4028,
28.4438

■ 21.5913, 19.5574,
29.4253

■ 16.1036, 11.0565,
28.0737

■ 23.9614, 23.4163,
30.0453

■ 14.7706, 9.1598,
27.7779

■ 26.6218, 27.8273,
30.7564

■ 13.6601, 7.6809,
27.5509

■ 29.5835, 32.8118,
31.5625

■ 12.7539, 6.5836,
27.3869

■ 32.8567, 38.3902,
32.4667

■ 12.0307, 5.8253,
27.2787

■ 36.4511, 44.5816,
33.4723

■ 11.4861, 5.3309,
27.2119

■ 40.3761, 51.4046,
34.5824

■ 44.6407, 58.8768,
35.7999

■ 49.2534, 67.0152,
37.1276

Harmonies

Analogous

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



17.0895, 16.2270, 35.0000



19.4995, 16.2270, 28.8925



20.8685, 16.2270, 20.6079

Triad

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



19.4995, 16.2270, 28.8925



16.4181, 16.2270, 7.0126



11.1553, 16.2270, 22.6906

Complementary

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



19.4995, 16.2270, 28.8925



18.9818, 24.5509, 15.7957

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.



11.0187, 16.2270, 15.0227



19.4995, 16.2270, 28.8925



13.8691, 16.2270, 7.2792

Square

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



19.4995, 16.2270, 28.8925



18.9607, 16.2270, 8.9359



11.9588, 16.2270, 9.8084



12.3557, 16.2270, 30.7811

Rectangle

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



19.4995, 16.2270, 28.8925



20.9141, 16.2270, 15.5730



11.9588, 16.2270, 9.8084



10.9889, 16.2270, 19.9439

Sweetspot

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



19.5000, 16.2277, 28.8929



43.7503, 43.3168, 54.0286



16.0788, 16.1779, 29.0636



9.5992, 9.4164, 11.9838



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



19.5000, 16.2277, 28.8929



32.6682, 25.5556, 51.1845



20.5204, 16.8490, 24.6341



5.4992, 5.4456, 6.7900



9.8760, 4.5849, 23.3415



0.1143, 0.0541, 0.2241

Inverse Universe

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



19.1040, 16.2825, 17.1757



31.9349, 25.7219, 26.5550



18.2645, 24.1138, 18.8037



5.4596, 5.4444, 5.9182



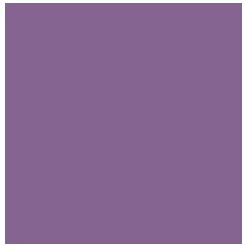
10.2909, 5.2734, 1.9171



0.1060, 0.0535, 0.0584

Previews

White Background



This preview shows how the XYZ color 19.4995, 16.2270, 28.8925 looks on a white background.

Color Contrast Check

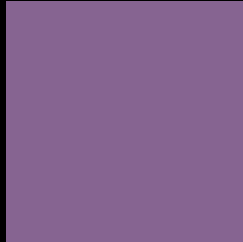
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.4995, 16.2270, 28.8925 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

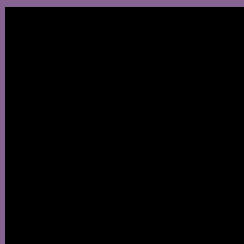
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 19.4995, 16.2270, 28.8925

Background



This preview shows how black text looks on a background with the XYZ color 19.4995, 16.2270, 28.8925.



This preview shows how white text looks on a background with the XYZ color 19.4995, 16.2270,

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

19.4995, 16.2270, 28.8925

Protanopia

16.6897, 16.3781, 32.4186

Deuteranopia

16.5973, 16.2608, 28.2505



Tritanopia

17.2446, 16.1901, 18.1357

Trichromacy



Original Color

19.4995, 16.2270, 28.8925

Protanomaly

17.4448, 16.1621, 31.0543

Deuteranomaly

17.5242, 16.1036, 28.5702

Tritanomaly

18.0121, 16.2066, 21.5809

Monochromacy



Original Color

19.4995, 16.2270, 28.8925

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

17.3679, 16.7958, 22.0652

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4995, 16.2270, 28.8925 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(134, 100, 145)` looks like.

```
.text, #text, p{  
    color:rgb(134, 100, 145)  
}
```

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(134, 100, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(134, 100, 145) }
```

Border

The CSS property to change the border of an element to XYZ 19.4995, 16.2270, 28.8925 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(134, 100, 145) }
```


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

```
.border{ border-color:rgb(134, 100, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(134, 100, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(134, 100, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(134, 100, 145);  
box-shadow:4px 4px 4px 4px rgb(134, 100,  
145) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4995, 16.2270, 28.8925 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(134, 100, 145) }
```

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

```
.background{ background-color: rgb(134,  
100, 145) }
```

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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