

Converting Colors

XYZ(19.5916, 16.6572, 29.9057)

Have a look what the booklet for
XYZ(19.5916, 16.6572, 29.9057)
contains.

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Color

**XYZ(19.6324, 16.7126,
29.7949)**

Conversions

Conversions Part 1

Format	Color
Hex	846793
RGB	132, 103, 147
RGB Percent	52%, 40%, 58%
CMY	0.4823, 0.5961, 0.4235
CMYK	0.10, 0.30, 0.00, 0.42
HSL	280°, 18%, 49%
HSV	280°, 30%, 58%
XYZ	19.6324, 16.7126, 29.7949
YIQ	116.6870, 3.1600, 19.8320

Conversions

Conversions Part 2

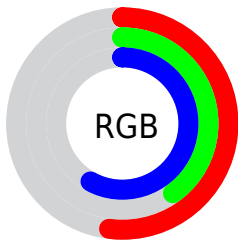
Format	Color
RYB	132, 103, 147
Decimal	8677267
CIELab	47.90, 20.15, -19.68
CIELCh	48, 28.165, 315.675
Yxy	16.7126, 0.2968, 0.2527
Android (android.graphics.Color)	4286867347 (0xFF846793)
YUV	116.6870, 14.9443, 13.4295
Hunter-Lab	40.8810, 14.1796, -14.5950

Details

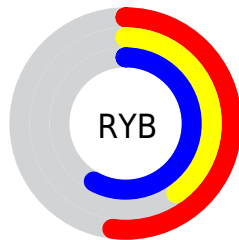
The XYZ color **19.6324, 16.7126, 29.7949** is a dark color, and the websafe version is hex **996699**. A complement of this color would be **20.3537, 25.6987, 16.7203**, and the grayscale version is **16.7668, 17.6400, 19.2100**.

A 20% lighter version of the original color is **42.3479, 37.7674, 60.3162**, and **7.0052, 5.4667, 11.7523** is the 20% darker color. If you saturate the color by 10%, you get **17.5320, 13.6471, 29.3142**, and if you desaturate by 10%, it is **22.0286, 20.3131, 30.3638**.

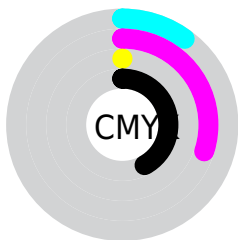
Distribution



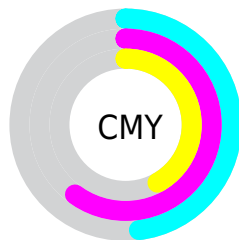
- Red (52%)
- Green (40%)
- Blue (58%)



- Red (52%)
- Yellow (40%)
- Blue (58%)



- Cyan (10%)
- Magenta (30%)
- Yellow (0%)
- Black (42%)



- Cyan (48%)
- Magenta (60%)
- Yellow (42%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6324, 16.7126, 29.7949 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 19.6324, 16.7126, 29.7949 by changing the saturation by 10% instead.

■ 19.6324, 16.7126,
29.7949

■ 19.6324, 16.7126,
29.7949

242.7897,
233.5107, 315.1248

■ 12.2348, 10.0298,
19.4322

■ 42.3087, 37.8310,
60.3948

■ 6.9771, 5.4187,
11.8030

■ 58.3181, 53.0353,
81.4692

■ 3.4940, 2.4950,
6.4888

■ 77.9288, 71.8490,
106.9512

■ 1.4201, 0.8741,
3.0710

■ 101.5062, 94.6563,
137.2594

■ 0.2705, 0.0000,
1.1310

129.4157,
121.8418, 172.8123

■ 0.0000, 0.0000,
0.0000

162.0225,

153.7898, 214.0285

199.6921,
190.8846, 261.3264

■ 19.6324, 16.7126,
29.7949

■ 19.6324, 16.7126,
29.7949

■ 17.5320, 13.6471,
29.3142

■ 22.0286, 20.3131,
30.3638

■ 15.7118, 11.0873,
28.9160

■ 24.7320, 24.4716,
31.0240

■ 14.1571, 9.0041,
28.5959

■ 27.7553, 29.2125,
31.7798

■ 12.8511, 7.3649,
28.3483

■ 31.1099, 34.5579,
32.6347

■ 11.7749, 6.1325,
28.1671

■ 34.8068, 40.5290,
33.5924

10.9063, 5.2635,
28.0452

38.8562, 47.1457,
34.6561

10.1889, 4.6458,
27.9638

43.2682, 54.4271,
35.8291

10.1841, 4.6417,
27.9632

48.0521, 62.3916,
37.1142

53.2172, 71.0567,
38.5145

Harmonies

Analogous

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



17.2382, 16.7126, 35.2140



19.6324, 16.7126, 29.7949



21.0899, 16.7126, 21.8734

Triad

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



19.6324, 16.7126, 29.7949



17.1213, 16.7126, 7.7475



11.6396, 16.7126, 22.2345

Complementary

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



19.6324, 16.7126, 29.7949



20.3537, 25.6987, 16.7203

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.



11.6154, 16.7126, 14.9578



19.6324, 16.7126, 29.7949



14.6042, 16.7126, 7.7958

Square

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



19.6324, 16.7126, 29.7949



19.5390, 16.7126, 9.9275



12.6474, 16.7126, 10.0835



12.7172, 16.7126, 30.1191

Rectangle

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



19.6324, 16.7126, 29.7949



21.2445, 16.7126, 16.8516



12.6474, 16.7126, 10.0835



11.5122, 16.7126, 19.6125

Sweetspot

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



19.6329, 16.7133, 29.7953



44.6747, 44.4211, 55.6541



17.3863, 18.0421, 30.1702



10.0413, 9.8964, 12.6658



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.



19.6329, 16.7133, 29.7953



32.5414, 26.0906, 52.7554



21.6465, 17.8095, 27.2629



5.8453, 5.8112, 7.2833



8.8561, 4.0380, 24.2437



0.1400, 0.0657, 0.2982

Inverse Universe

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



20.1535, 17.2123, 19.4004



33.7359, 27.1977, 30.6136



18.8206, 24.8685, 18.4468



5.8775, 5.8461, 6.4612



10.9436, 5.5825, 3.1842



0.1467, 0.0734, 0.1063

Previews

White Background



This preview shows how the XYZ color 19.6324, 16.7126, 29.7949 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 19.6324, 16.7126, 29.7949 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 19.6324, 16.7126, 29.7949

Background



This preview shows how black text looks on a background with the XYZ color 19.6324, 16.7126, 29.7949.



This preview shows how white text looks on a background with the XYZ color 19.6324, 16.7126,

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

19.6324, 16.7126, 29.7949

Protanopia

17.1064, 16.7462, 32.9026

Deuteranopia

17.0893, 16.8208, 29.1341



Tritanopia

17.4319, 16.7337, 19.1408

Trichromacy



Original Color

19.6324, 16.7126, 29.7949

Protanomaly

17.8646, 16.6824, 31.5566

Deuteranomaly

17.9931, 16.7945, 29.4875

Tritanomaly

18.2072, 16.7410, 22.6938

Monochromacy



Original Color

19.6324, 16.7126, 29.7949

Achromatopsia

16.9083, 17.7888, 19.3720

Achromatomaly

17.7165, 17.2844, 22.8245

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6324, 16.7126, 29.7949 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(132, 103, 147)` looks like.

```
.text, #text, p{  
    color:rgb(132, 103, 147)  
}
```

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(132, 103, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 103, 147) }
```

Border

The CSS property to change the border of an element to XYZ 19.6324, 16.7126, 29.7949 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(132, 103, 147) }
```


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

```
.border{ border-color:rgb(132, 103, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 103, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(132, 103, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(132, 103, 147);  
box-shadow:4px 4px 4px 4px rgb(132, 103,  
147) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6324, 16.7126, 29.7949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 103, 147) }
```

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

```
.background{ background-color: rgb(132,  
103, 147) }
```

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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