

Converting Colors

XYZ(16.4016, 19.5175, 1.3786)

Have a look what the booklet for
XYZ(16.4016, 19.5175, 1.3786)
contains.

XYZ(16.6668, 19.6675, 2.9178)	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(16.6668, 19.6675,
2.9178)**

Conversions

Conversions Part 1

Format	Color
Hex	827E00
RGB	130, 126, 0
RGB Percent	51%, 49%, 0%
CMY	0.4902, 0.5059, 1.0000
CMYK	0.00, 0.03, 1.00, 0.49
HSL	58°, 100%, 25%
HSV	58°, 100%, 51%
XYZ	16.6668, 19.6675, 2.9178
YIQ	112.8320, 42.8300, -38.3380

Conversions

Conversions Part 2

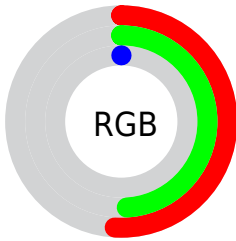
Format	Color
RYB	4, 130, 0
Decimal	8551936
CIELab	51.46, -10.91, 56.46
CIELCh	51, 57.504, 100.939
Yxy	19.6675, 0.4246, 0.5011
Android (android.graphics.Color)	4286742016 (0xFF827E00)
YUV	112.8320, -55.6262, 15.0563
Hunter-Lab	44.3481, -10.5256, 27.1428

Details

The XYZ color **16.6668, 19.6675, 2.9178** is a dark color, and the websafe version is hex **999933**. A complement of this color would be **4.0729, 1.6987, 21.2323**, and the grayscale version is **15.7977, 16.6204, 18.0997**.

A 20% lighter version of the original color is **37.1535, 42.6732, 11.4328**, and **5.7144, 6.8855, 1.0279** is the 20% darker color. If you saturate the color by 10%, you get **16.6672, 19.6683, 2.9179**, and if you desaturate by 10%, it is **16.7911, 19.7999, 3.3179**.

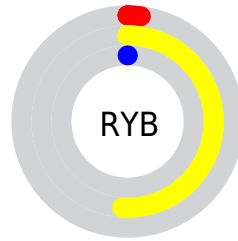
Distribution



Red (51%)

Green (49%)

Blue (0%)



Red (2%)

Yellow (51%)

Blue (0%)

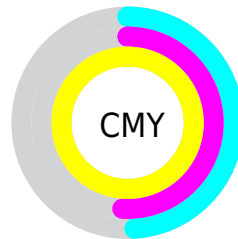


Cyan (0%)

Magenta (3%)

Yellow (100%)

Black (49%)



Cyan (49%)

Magenta (51%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.6668, 19.6675, 2.9178 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 16.6668, 19.6675, 2.9178 by changing the saturation by 10% instead.

■ 16.6668, 19.6675,
2.9178

■ 16.6668, 19.6675,
2.9178

■ 226.4387,
250.1094, 135.3067

■ 10.0910, 12.1536,
1.0528

■ 37.3002, 42.8590,
11.4249

■ 5.5221, 6.8484,
0.0000

■ 52.0885, 59.3054,
18.9041

■ 2.5946, 3.3674,
0.0000

■ 70.3450, 79.4981,
29.0919

■ 0.9432, 1.3264,
0.0000

■ 92.4352, 103.8214,
42.4066

■ 0.0000, 0.1615,
0.0000

■ 118.7243,
132.6598, 59.2669

■ 0.0000, 0.0000,
0.0000

■ 149.5776,

166.3977, 80.0913

■ 185.3607,
205.4194, 105.2984

■ 16.6668, 19.6675,
2.9178

■ 16.6668, 19.6675,
2.9178

■ 16.6672, 19.6683,
2.9179

■ 16.7911, 19.7999,
3.3179

■ 16.9564, 19.9483,
3.9345

■ 17.1878, 20.1235,
4.8986

■ 17.4933, 20.3286,
6.2517

■ 17.8797, 20.5664,
8.0298

■ 18.3530, 20.8393,
10.2646

■ 18.9187, 21.1495,
12.9848

■ 19.5818, 21.4989,
16.2168

■ 20.3469, 21.8896,
19.9852

Harmonies

Analogous

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



22.5543, 19.6675, 3.2371



16.6668, 19.6675, 2.9178



12.3273, 19.6675, 5.2664

Triad

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



16.6668, 19.6675, 2.9178



11.5047, 19.6675, 49.6977



31.2573, 19.6675, 33.5525

Complementary

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



16.6668, 19.6675, 2.9178



4.0729, 1.6987, 21.2323

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.



26.9429, 19.6675, 55.4852



16.6668, 19.6675, 2.9178



15.3003, 19.6675, 67.6497

Square

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



16.6668, 19.6675, 2.9178



9.7818, 19.6675, 28.0250



20.8779, 19.6675, 70.1878



31.8336, 19.6675, 15.9351

Rectangle

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



16.6668, 19.6675, 2.9178



10.5783, 19.6675, 9.3947



20.8779, 19.6675, 70.1878



30.1600, 19.6675, 40.8449

Sweetspot

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



16.6672, 19.6684, 2.9182



33.2437, 37.2064, 22.5098



9.2298, 4.7555, 0.5561



7.4421, 8.3768, 4.6970



62.3462, 65.5931, 71.4309



8.4577, 8.8982, 9.6901

Same Dimension

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



16.6672, 19.6684, 2.9182



29.3319, 34.5969, 5.1319



10.4609, 17.2428, 2.7771



4.6544, 4.9975, 4.6394



15.9822, 18.8608, 2.7981



0.0000, 0.0000, 0.0000

Inverse Universe

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



4.0729, 1.6987, 21.2323



7.1520, 2.9507, 37.3851



5.9337, 2.5936, 21.3069



4.1186, 4.2313, 5.4129



3.9060, 1.6305, 20.3588



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the XYZ color 16.6668, 19.6675, 2.9178 looks on a white 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

Black Background



This preview shows how the XYZ color 16.6668, 19.6675, 2.9178 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 16.6668, 19.6675, 2.9178

Background



This preview shows how black text looks on a background with the XYZ color 16.6668, 19.6675, 2.9178.

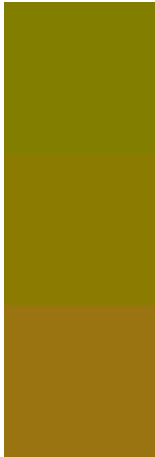


This preview shows how white text looks on a background with the XYZ color 16.6668, 19.6675,

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

16.6668, 19.6675, 2.9178

Protanopia

17.7304, 19.6549, 2.8593

Deuteranopia

19.8721, 19.5030, 3.2894



Tritanopia

20.6084, 19.6322, 22.4419

Trichromacy



Original Color

16.6668, 19.6675, 2.9178

Protanomaly

17.3610, 19.6495, 2.8777

Deuteranomaly

18.6309, 19.5681, 3.1117

Tritanomaly

18.1561, 19.1630, 10.3313

Monochromacy



Original Color

16.6668, 19.6675, 2.9178

Achromatopsia

15.6958, 16.5132, 17.9829

Achromatomaly

15.2559, 17.3467, 8.6751

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.6668, 19.6675, 2.9178 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(130, 126, 0)` looks like.

```
.text, #text, p{  
    color:rgb(130, 126, 0)  
}
```

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(130, 126, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 126, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.6668, 19.6675, 2.9178 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(130, 126, 0) }
```


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

```
.border{ border-color:rgb(130, 126, 0) }
```

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

Here you see how a box with a 4 pixel rgb(130, 126, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 126, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 126, 0);  
box-shadow:4px 4px 4px 4px rgb(130, 126,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 16.6668, 19.6675, 2.9178 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 126, 0) }
```

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

```
.background{ background-color: rgb(130,  
126, 0) }
```

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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