

Converting Colors

XYZ(19.5756, 28.4636, 4.4283)

Have a look what the booklet for
XYZ(19.5756, 28.4636, 4.4283)
contains.

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Color

**XYZ(19.6006, 28.5093,
4.4698)**

Conversions

Conversions Part 1

Format	Color
Hex	749F00
RGB	116, 159, 0
RGB Percent	45%, 62%, 0%
CMY	0.5451, 0.3765, 0.9999
CMYK	0.27, 0.00, 1.00, 0.38
HSL	76°, 100%, 31%
HSV	76°, 100%, 62%
XYZ	19.6006, 28.5093, 4.4698
YIQ	128.0170, 25.4110, -58.5650

Conversions

Conversions Part 2

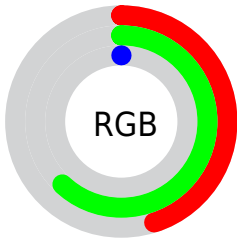
Format	Color
RYB	0, 159, 43
Decimal	7642880
CIELab	60.35, -33.68, 62.64
CIElCh	60, 71.117, 118.264
Yxy	28.5093, 0.3728, 0.5422
Android (android.graphics.Color)	4285832960 (0xFF749F00)
YUV	128.0170, -63.1124, -10.5389
Hunter-Lab	53.3941, -27.9136, 32.4125

Details

The XYZ color **19.6006, 28.5093, 4.4698** is a dark color, and the websafe version is hex **669900**. A complement of this color would be **7.2555, 3.0176, 33.0027**, and the grayscale version is **20.7309, 21.8106, 23.7517**.

A 20% lighter version of the original color is **42.2624, 57.3448, 15.1445**, and **7.1822, 11.5075, 1.8426** is the 20% darker color. If you saturate the color by 10%, you get **19.6007, 28.5103, 4.4700**, and if you desaturate by 10%, it is **20.2791, 28.8493, 4.9865**.

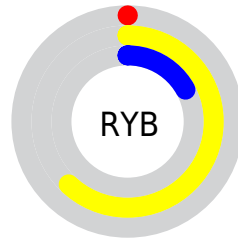
Distribution



Red (45%)

Green (62%)

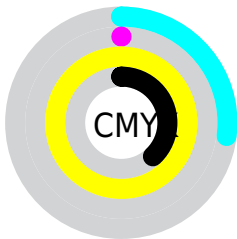
Blue (0%)



Red (0%)

Yellow (62%)

Blue (17%)

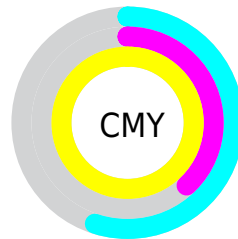


Cyan (27%)

Magenta (0%)

Yellow (100%)

Black (38%)



Cyan (55%)

Magenta (38%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.6006, 28.5093, 4.4698 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 19.6006, 28.5093, 4.4698 by changing the saturation by 10% instead.

■ 19.6006, 28.5093,
4.4698

■ 19.6006, 28.5093,
4.4698

242.6196,
294.8926, 153.3122

■ 12.2116, 18.7099,
1.8865

■ 42.2556, 57.2965,
15.0795

■ 6.9612, 11.4609,
0.4841

■ 58.2524, 77.0532,
23.9430

■ 3.4840, 6.3777,
0.0000

■ 77.8491, 100.8978,
35.7369

■ 1.4146, 3.0761,
0.0000

■ 101.4111,
129.2146, 50.8798

■ 0.2666, 1.1716,
0.0000

■ 129.3038,
162.3881, 69.7903


■ 0.0000, 0.0383,
0.0000


■ 161.8926,


■ 0.0000, 0.0000,


200.8027, 92.8868


0.0000


 199.5427,
244.8427, 120.5879


 19.6006, 28.5093,
4.4698


 19.6006, 28.5093,
4.4698


 19.6007, 28.5103,
4.4700

 20.2791, 28.8493,
4.9865

 21.0563, 29.2309,
5.8857

 21.9648, 29.6681,
7.3345

 23.0182, 30.1664,
9.4029

 24.2282, 30.7307,
12.1507

■ 25.6051, 31.3649,
15.6305

■ 27.1583, 32.0729,
19.8899

■ 28.8963, 32.8582,
24.9723

■ 30.8270, 33.7239,
30.9180

Harmonies

Analogous

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



27.6330, 28.5093, 3.0210



19.6006, 28.5093, 4.4698



14.7340, 28.5093, 11.3852

Triad

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



19.6006, 28.5093, 4.4698



18.8670, 28.5093, 96.5050



48.7232, 28.5093, 32.5914

Complementary

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



19.6006, 28.5093, 4.4698



7.2555, 3.0176, 33.0027

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.



44.9527, 28.5093, 65.7407



19.6006, 28.5093, 4.4698



26.5684, 28.5093, 113.3782

Square

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



19.6006, 28.5093, 4.4698



14.3822, 28.5093, 61.4815



36.2965, 28.5093, 99.7889



45.7028, 28.5093, 12.7925

Rectangle

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



19.6006, 28.5093, 4.4698



13.2794, 28.5093, 21.8912



36.2965, 28.5093, 99.7889



48.1940, 28.5093, 42.4418

Sweetspot

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



19.6013, 28.5106, 4.4704



48.4655, 57.3595, 35.1377



15.1415, 9.0566, 0.9505



10.6704, 12.8152, 7.2075



76.7382, 80.7346, 87.9200



13.3056, 13.9985, 15.2444

Same Dimension

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



19.6013, 28.5106, 4.4704



34.9074, 50.9568, 7.9958



13.1658, 25.1930, 4.1692



6.9950, 7.6301, 7.0897



15.5217, 22.5384, 3.5323



0.3153, 0.4224, 0.0649

Inverse Universe

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



7.2555, 3.0176, 33.0027



12.8311, 5.3200, 59.0940



14.2713, 6.6344, 33.3310



6.4447, 6.5177, 8.3251



5.7654, 2.4012, 26.0668



0.1402, 0.0621, 0.4678

Previews

White Background



This preview shows how the XYZ color 19.6006, 28.5093, 4.4698 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 19.6006, 28.5093, 4.4698 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 19.6006, 28.5093, 4.4698

Background



This preview shows how black text looks on a background with the XYZ color 19.6006, 28.5093, 4.4698.



This preview shows how white text looks on a background with the XYZ color 19.6006, 28.5093,

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

19.6006, 28.5093, 4.4698

Protanopia

25.4352, 28.1433, 4.0916

Deuteranopia

28.8513, 28.3380, 5.1774



Tritanopia

26.2951, 28.5432, 37.3812

Trichromacy



Original Color

19.6006, 28.5093, 4.4698

Protanomaly

22.9390, 28.0157, 4.1986

Deuteranomaly

24.6945, 27.9757, 4.7144

Tritanomaly

22.2307, 27.8514, 16.7745

Monochromacy



Original Color

19.6006, 28.5093, 4.4698

Achromatopsia

20.5175, 21.5861, 23.5072

Achromatomaly

19.0300, 23.3444, 11.2875

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.6006, 28.5093, 4.4698 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(116, 159, 0)` looks like.

```
.text, #text, p{  
    color:rgb(116, 159, 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(116, 159, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 159, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.6006, 28.5093, 4.4698 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(116, 159, 0) }
```


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

```
.border{ border-color:rgb(116, 159, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 159, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 159, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 159, 0);  
box-shadow:4px 4px 4px 4px rgb(116, 159,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 19.6006, 28.5093, 4.4698 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 159, 0) }
```

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

```
.background{ background-color: rgb(116,  
159, 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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