

Converting Colors

XYZ(18.7773, 16.4036, 4.9965)

Have a look what the booklet for
XYZ(18.7773, 16.4036, 4.9965)
contains.

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Color

**XYZ(18.8010, 16.3957,
4.9701)**

Conversions

Conversions Part 1

Format	Color
Hex	9C6430
RGB	156, 100, 48
RGB Percent	61%, 39%, 19%
CMY	0.3882, 0.6078, 0.8118
CMYK	0.00, 0.36, 0.69, 0.39
HSL	29°, 53%, 40%
HSV	29°, 69%, 61%
XYZ	18.8010, 16.3957, 4.9701
YIQ	110.8160, 50.0680, -4.3000

Conversions

Conversions Part 2

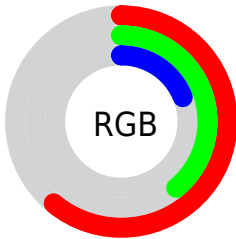
Format	Color
R _Y B	156, 148, 48
Decimal	10249264
CIE Lab	47.49, 17.67, 37.99
CIE LCh	47, 41.895, 65.057
Yxy	16.3957, 0.4681, 0.4082
Android (android.graphics.Color)	4288439344 (0xFF9C6430)
YUV	110.8160, -30.9683, 39.6264
Hunter-Lab	40.4916, 12.0205, 21.0666

Details

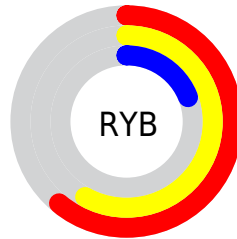
The XYZ color **18.8010, 16.3957, 4.9701** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **12.1697, 12.9287, 33.3064**, and the grayscale version is **15.1333, 15.9214, 17.3384**.

A 20% lighter version of the original color is **40.9095, 37.2739, 16.1047**, and **6.5286, 5.2555, 0.6703** is the 20% darker color. If you saturate the color by 10%, you get **17.7963, 14.8142, 3.3168**, and if you desaturate by 10%, it is **19.9967, 18.1783, 7.2461**.

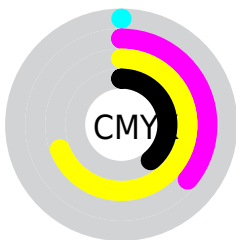
Distribution



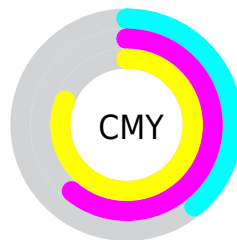
- Red (61%)
- Green (39%)
- Blue (19%)



- Red (61%)
- Yellow (58%)
- Blue (19%)



- Cyan (0%)
- Magenta (36%)
- Yellow (69%)
- Black (39%)



- Cyan (39%)
- Magenta (61%)
- Yellow (81%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.8010, 16.3957, 4.9701 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 18.8010, 16.3957, 4.9701 by changing the saturation by 10% instead.

■ 18.8010, 16.3957,
4.9701

■ 18.8010, 16.3957,
4.9701

238.3072,
231.6655, 158.4647

■ 11.6297, 9.8046,
2.1713

■ 40.9170, 37.2838,
16.1916

■ 6.5625, 5.2696,
0.6577

■ 56.5925, 52.3496,
25.4514

■ 3.2339, 2.4063,
0.0000

■ 75.8334, 71.0091,
37.7020

■ 1.2786, 0.8291,
0.0000

■ 99.0052, 93.6466,
53.3618

■ 0.1671, 0.0000,
0.0000

■ 126.4731,
120.6466, 72.8494

■ 0.0000, 0.0000,
0.0000

■ 158.6025,

152.3935, 96.5835

195.7587,
189.2717, 124.9824

■ 18.8010, 16.3957,
4.9701

■ 18.8010, 16.3957,
4.9701

■ 17.7963, 14.8142,
3.3168

■ 19.9967, 18.1783,
7.2461

■ 16.9669, 13.4217,
2.2186

■ 21.3952, 20.1680,
10.2008

■ 16.2834, 12.2036,
1.5318

■ 23.0083, 22.3735,
13.8851

■ 16.2342, 12.1159,
1.4830

■ 24.8465, 24.8022,
18.3445

■ 26.9196, 27.4611,
23.6209

■ 29.2368, 30.3568,
29.7531

■ 31.8065, 33.4956,
36.7775

■ 34.6369, 36.8835,
44.7282

■ 37.7358, 40.5263,
53.6376

Harmonies

Analogous

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



22.2073, 16.3957, 8.4771



18.8010, 16.3957, 4.9701



14.9612, 16.3957, 4.2292

Triad

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



18.8010, 16.3957, 4.9701



9.4862, 16.3957, 19.7205



20.0667, 16.3957, 40.4369

Complementary

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



18.8010, 16.3957, 4.9701



12.1697, 12.9287, 33.3064

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.



16.2230, 16.3957, 47.0434



18.8010, 16.3957, 4.9701



10.4284, 16.3957, 32.4037

Square

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



18.8010, 16.3957, 4.9701



9.9532, 16.3957, 10.5280



12.7560, 16.3957, 43.6339



23.0158, 16.3957, 27.9666

Rectangle

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



18.8010, 16.3957, 4.9701



12.7447, 16.3957, 4.9774



12.7560, 16.3957, 43.6339



18.8156, 16.3957, 43.6027

Sweetspot

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



18.8014, 16.3965, 4.9704



48.0336, 48.7854, 40.6771



17.3480, 10.2142, 14.5842



10.3554, 10.4615, 8.4025



74.8435, 78.7412, 85.7492



12.6291, 13.2868, 14.4694

Same Dimension

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



18.8014, 16.3965, 4.9704



31.4702, 25.4962, 4.8279



25.5370, 29.8677, 7.2156



6.8834, 7.1468, 7.0023



13.4065, 10.0487, 1.2330



0.2819, 0.2640, 0.0361

Inverse Universe

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



12.1697, 12.9287, 33.3064



18.5987, 18.7460, 59.7648



8.4300, 5.4493, 32.0598



6.5549, 6.9756, 8.4076



7.3942, 6.8799, 26.8455



0.1745, 0.2076, 0.4941

Previews

White Background



This preview shows how the XYZ color 18.8010, 16.3957, 4.9701 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 18.8010, 16.3957, 4.9701 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 18.8010, 16.3957, 4.9701

Background



This preview shows how black text looks on a background with the XYZ color 18.8010, 16.3957, 4.9701.



This preview shows how white text looks on a background with the XYZ color 18.8010, 16.3957,

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

18.8010, 16.3957, 4.9701

Protanopia

14.9824, 16.4182, 5.6282

Deuteranopia

16.8402, 16.5851, 4.8984



Tritanopia

20.6497, 16.3159, 14.3728

Trichromacy



Original Color

18.8010, 16.3957, 4.9701

Protanomaly

16.1134, 16.1984, 5.4093

Deuteranomaly

17.4187, 16.4194, 4.9405

Tritanomaly

19.8064, 16.2440, 10.0741

Monochromacy



Original Color

18.8010, 16.3957, 4.9701

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.7715, 15.7320, 11.4378

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.8010, 16.3957, 4.9701 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(156, 100, 48)` looks like.

```
.text, #text, p{  
    color:rgb(156, 100, 48)  
}
```

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(156, 100, 48) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 100, 48) }
```

Border

The CSS property to change the border of an element to XYZ 18.8010, 16.3957, 4.9701 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(156, 100, 48) }
```


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

```
.border{ border-color:rgb(156, 100, 48) }
```

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

Here you see how a box with a 4 pixel `rgb(156, 100, 48)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 100, 48); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 100, 48);  
box-shadow:4px 4px 4px 4px rgb(156, 100,  
48) }
```

Background

The CSS property to change the background color of an element to XYZ 18.8010, 16.3957, 4.9701 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 100, 48) }
```

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

```
.background{ background-color: rgb(156,  
100, 48) }
```

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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