

Converting Colors

XYZ(17.9290, 16.1442, 4.6879)

Have a look what the booklet for
XYZ(17.9290, 16.1442, 4.6879)
contains.

XYZ(17.8898, 16.0761, 4.6427)	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(17.8898, 16.0761,
4.6427)**

Conversions

Conversions Part 1

Format	Color
Hex	97652D
RGB	151, 101, 45
RGB Percent	59%, 40%, 18%
CMY	0.4078, 0.6039, 0.8235
CMYK	0.00, 0.33, 0.70, 0.41
HSL	32°, 54%, 38%
HSV	32°, 70%, 59%
XYZ	17.8898, 16.0761, 4.6427
YIQ	109.5660, 47.7760, -6.8160

Conversions

Conversions Part 2

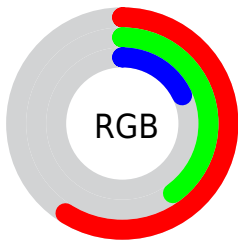
Format	Color
R _Y B	140, 151, 45
Decimal	9921837
CIE Lab	47.07, 14.67, 38.88
CIE LCh	47, 41.554, 69.322
Yxy	16.0761, 0.4634, 0.4164
Android (android.graphics.Color)	4288111917 (0xFF97652D)
YUV	109.5660, -31.8310, 36.3376
Hunter-Lab	40.0950, 9.4778, 21.2012

Details

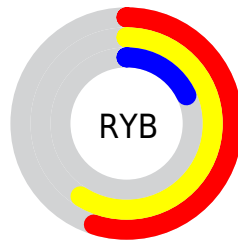
The XYZ color **17.8898, 16.0761, 4.6427** is a dark color, and the websafe version is hex **996633**. A complement of this color would be **10.7600, 10.9761, 30.8294**, and the grayscale version is **14.7757, 15.5452, 16.9287**.

A 20% lighter version of the original color is **39.4985, 36.8021, 15.3776**, and **6.1430, 5.1251, 0.6655** is the 20% darker color. If you saturate the color by 10%, you get **16.9877, 14.6570, 3.1554**, and if you desaturate by 10%, it is **18.9566, 17.6584, 6.6983**.

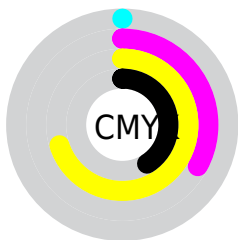
Distribution



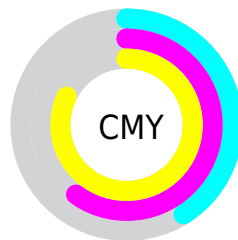
- Red (59%)
- Green (40%)
- Blue (18%)



- Red (55%)
- Yellow (59%)
- Blue (18%)



- Cyan (0%)
- Magenta (33%)
- Yellow (70%)
- Black (41%)





- Cyan (41%)
- Magenta (60%)
- Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 17.8898, 16.0761, 4.6427 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 17.8898, 16.0761, 4.6427 by changing the saturation by 10% instead.


 17.8898, 16.0761,
4.6427


 17.8898, 16.0761,
4.6427


233.3068,
229.7903, 155.1215


 10.9701, 9.5780,
1.9841


 39.3810, 36.7303,
15.4668


 6.1139, 5.1201,
0.5455


 54.6832, 51.6551,
24.4695


 2.9558, 2.3179,
0.0000

 73.5104, 70.1577,
36.4239

 1.1304, 0.7832,
0.0000

 96.2277, 92.6225,
51.7486

 0.0503, 0.0000,
0.0000

 123.2007,
119.4337, 70.8622

 0.0000, 0.0000,
0.0000

 154.7946,

150.9758, 94.1832

191.3749,
187.6332, 122.1301

■ 17.8898, 16.0761,
4.6427

■ 17.8898, 16.0761,
4.6427

■ 16.9877, 14.6570,
3.1554

■ 18.9566, 17.6584,
6.6983

■ 16.2360, 13.3908,
2.1735

■ 20.1984, 19.4082,
9.3744

■ 15.6149, 12.2842,
1.5481

■ 21.6258, 21.3328,
12.7181

■ 23.2482, 23.4380,
16.7717

■ 25.0740, 25.7295,
21.5739

■ 27.1114, 28.2123,
27.1608

■ 29.3679, 30.8917,
33.5659

■ 31.8507, 33.7723,
40.8207

■ 34.5664, 36.8588,
48.9554

Harmonies

Analogous

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



21.3660, 16.0761, 7.6193



17.8898, 16.0761, 4.6427



14.1728, 16.0761, 4.2313

Triad

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



17.8898, 16.0761, 4.6427



9.3564, 16.0761, 20.9598



20.1635, 16.0761, 38.0673

Complementary

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



17.8898, 16.0761, 4.6427



10.7600, 10.9761, 30.8294

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.



16.4431, 16.0761, 45.7091



17.8898, 16.0761, 4.6427



10.4754, 16.0761, 33.5465

Square

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



17.8898, 16.0761, 4.6427



9.6176, 16.0761, 11.3318



12.9370, 16.0761, 43.7880



22.8168, 16.0761, 25.5886

Rectangle

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



17.8898, 16.0761, 4.6427



12.0991, 16.0761, 5.1906



12.9370, 16.0761, 43.7880



18.9742, 16.0761, 41.4746

Sweetspot

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



17.8902, 16.0769, 4.6430



44.4850, 45.5587, 37.5108



15.8229, 9.3050, 12.0849



9.9179, 10.1145, 8.0124



72.9764, 76.7769, 83.6100



11.9732, 12.5967, 13.7178

Same Dimension

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



17.8902, 16.0769, 4.6430



29.6532, 24.9723, 4.5825



23.9772, 28.7340, 6.7653



6.4653, 6.7357, 6.5652



13.3128, 10.5080, 1.3266



0.2354, 0.2299, 0.0320

Inverse Universe

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



10.7600, 10.9761, 30.8294



16.0724, 15.2812, 54.5361



7.6859, 4.7101, 29.7820



6.1127, 6.4827, 7.8581



6.7091, 5.8149, 25.6765



0.1363, 0.1590, 0.3959

Previews

White Background



This preview shows how the XYZ color 17.8898, 16.0761, 4.6427 looks on a white background.

Color Contrast Check

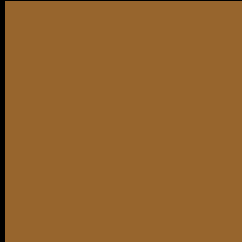
Large Text (above 18pt) WCAG AA ✓ Pass

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 17.8898, 16.0761, 4.6427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

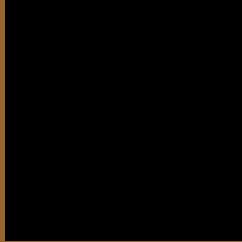
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

XYZ 17.8898, 16.0761, 4.6427

Background



This preview shows how black text looks on a background with the XYZ color 17.8898, 16.0761, 4.6427.



This preview shows how white text looks on a background with the XYZ color 17.8898, 16.0761,

4.6427.

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

17.8898, 16.0761, 4.6427

Protanopia

14.7851, 16.1617, 5.1366

Deuteranopia

16.2375, 15.9715, 4.5125



Tritanopia

20.0081, 16.1123, 14.6258

Trichromacy



Original Color

17.8898, 16.0761, 4.6427

Protanomaly

15.7072, 15.9987, 4.9495

Deuteranomaly

16.7326, 15.9221, 4.5742

Tritanomaly

19.0863, 16.0135, 9.8695

Monochromacy



Original Color

17.8898, 16.0761, 4.6427

Achromatopsia

14.8208, 15.5926, 16.9804

Achromatomaly

15.3949, 15.5472, 10.9936

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.8898, 16.0761, 4.6427 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(151, 101, 45)` looks like.

```
.text, #text, p{  
    color:rgb(151, 101, 45)  
}
```

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(151, 101, 45) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(151, 101, 45) }
```

Border

The CSS property to change the border of an element to XYZ 17.8898, 16.0761, 4.6427 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(151, 101, 45) }
```


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

```
.border{ border-color:rgb(151, 101, 45) }
```

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

Here you see how a box with a 4 pixel rgb(151, 101, 45) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(151, 101, 45); -webkit-box-  
shadow:4px 4px 4px 4px rgb(151, 101, 45);  
box-shadow:4px 4px 4px 4px rgb(151, 101,  
45) }
```

Background

The CSS property to change the background color of an element to XYZ 17.8898, 16.0761, 4.6427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(151, 101, 45) }
```

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

```
.background{ background-color: rgb(151,  
101, 45) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor