

Converting Colors

XYZ(17.4850, 18.2441, 0.0000)

Have a look what the booklet for
XYZ(17.4850, 18.2441, 0.0000)
contains.

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Color

**XYZ(17.9848, 18.3725,
2.5983)**

Conversions

Conversions Part 1

Format	Color
Hex	927300
RGB	146, 115, 0
RGB Percent	57%, 45%, 0%
CMY	0.4275, 0.5490, 1.0000
CMYK	0.00, 0.21, 1.00, 0.43
HSL	47°, 100%, 29%
HSV	47°, 100%, 57%
XYZ	17.9848, 18.3725, 2.5983
YIQ	111.1590, 55.3910, -29.1930

Conversions

Conversions Part 2

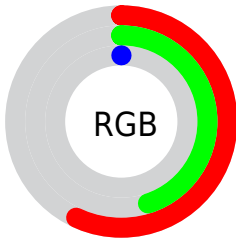
Format	Color
R_{YB}	39, 146, 0
Decimal	9597696
CIE _{Lab}	49.94, 2.81, 56.12
CIE _{LCh}	50, 56.188, 87.137
Yxy	18.3725, 0.4617, 0.4716
Android (android.graphics.Color)	4287787776 (0xFF927300)
YUV	111.1590, -54.8014, 30.5556
Hunter-Lab	42.8632, -0.1143, 26.4101

Details

The XYZ color **17.9848, 18.3725, 2.5983** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.6783, 3.0553, 27.4843**, and the grayscale version is **15.2993, 16.0961, 17.5286**.

A 20% lighter version of the original color is **39.6460, 40.8450, 10.6448**, and **6.3215, 6.2385, 0.8710** is the 20% darker color. If you saturate the color by 10%, you get **17.9850, 18.3731, 2.5985**, and if you desaturate by 10%, it is **18.4281, 19.1257, 3.1577**.

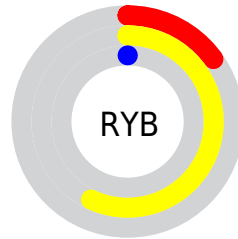
Distribution



Red (57%)

Green (45%)

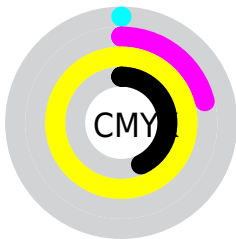
Blue (0%)



Red (15%)

Yellow (57%)

Blue (0%)

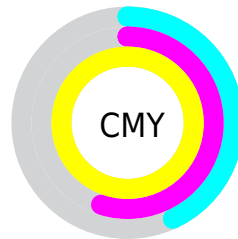


Cyan (0%)

Magenta (21%)

Yellow (100%)

Black (43%)



Cyan (43%)

Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 17.9848, 18.3725, 2.5983 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 17.9848, 18.3725, 2.5983 by changing the saturation by 10% instead.

■ 17.9848, 18.3725,
2.5983

■ 17.9848, 18.3725,
2.5983

233.8326,
242.9623, 131.0674

■ 11.0387, 11.2178,
0.8916

■ 39.5417, 40.6710,
10.6200

■ 6.1604, 6.2135,
0.0000

■ 54.8832, 56.5836,
17.7739

■ 2.9844, 2.9753,
0.0000

■ 73.7539, 76.1843,
27.5811

■ 1.1455, 1.1189,
0.0000

■ 96.5192, 99.8574,
40.4604

■ 0.0627, 0.0000,
0.0000

■ 123.5443,
127.9874, 56.8300

■ 0.0000, 0.0000,
0.0000

■ 155.1947,

160.9586, 77.1088

■ 191.8357,
199.1554, 101.7150

■ 17.9848, 18.3725,
2.5983

■ 17.9848, 18.3725,
2.5983

■ 17.9850, 18.3731,
2.5985

■ 18.4281, 19.1257,
3.1577

■ 18.9404, 19.9249,
4.0234

■ 19.5506, 20.7827,
5.3448

■ 20.2695, 21.7036,
7.1781

■ 21.1064, 22.6913,
9.5717

■ 22.0693, 23.7494,
12.5679

■ 23.1657, 24.8809,
16.2053

■ 24.4025, 26.0889,
20.5191

■ 25.7858, 27.3758,
25.5419

Harmonies

Analogous

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



23.7061, 18.3725, 4.0028



17.9848, 18.3725, 2.5983



13.1521, 18.3725, 3.5172

Triad

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



17.9848, 18.3725, 2.5983



9.7729, 18.3725, 36.8107



27.6853, 18.3725, 40.7989

Complementary

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



17.9848, 18.3725, 2.5983



5.6783, 3.0553, 27.4843

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.



22.6247, 18.3725, 59.7062



17.9848, 18.3725, 2.5983



12.4244, 18.3725, 56.6882

Square

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



17.9848, 18.3725, 2.5983



9.0273, 18.3725, 18.5597



16.9504, 18.3725, 66.6506



29.9816, 18.3725, 21.5225

Rectangle

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



17.9848, 18.3725, 2.5983



10.9186, 18.3725, 5.8520



16.9504, 18.3725, 66.6506



26.2060, 18.3725, 47.7210

Sweetspot

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



17.9852, 18.3734, 2.5987



40.7422, 43.7675, 28.1627



12.1098, 6.2134, 1.9019



8.8973, 9.5675, 5.7061



69.3244, 72.9347, 79.4259



10.7221, 11.2805, 12.2844

Same Dimension

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



17.9852, 18.3734, 2.5987



31.6022, 32.1611, 4.5421



16.0617, 23.5388, 3.6971



6.1620, 6.5378, 6.1776



15.8435, 16.2014, 2.2921



0.2149, 0.2402, 0.0350

Inverse Universe

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



5.6783, 3.0553, 27.4843



9.9136, 5.1829, 48.4514



6.1176, 2.5545, 27.3645



5.5934, 5.8207, 7.2984



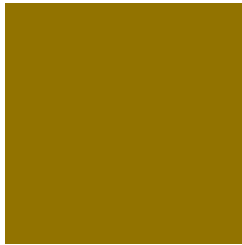
5.0109, 2.7166, 24.1913



0.0794, 0.0694, 0.3021

Previews

White Background



This preview shows how the XYZ color 17.9848, 18.3725, 2.5983 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 17.9848, 18.3725, 2.5983 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 17.9848, 18.3725, 2.5983

Background



This preview shows how black text looks on a background with the XYZ color 17.9848, 18.3725, 2.5983.



This preview shows how white text looks on a background with the XYZ color 17.9848, 18.3725,

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

17.9848, 18.3725, 2.5983

Protanopia

16.4667, 18.2773, 2.8610

Deuteranopia

18.7169, 18.4093, 2.8253



Tritanopia

21.3011, 18.4286, 18.6540

Trichromacy



Original Color

17.9848, 18.3725, 2.5983

Protanomaly

16.9816, 18.3689, 2.7654

Deuteranomaly

18.4446, 18.4373, 2.7589

Tritanomaly

19.3562, 18.1169, 8.7801

Monochromacy



Original Color

17.9848, 18.3725, 2.5983

Achromatopsia

15.1092, 15.8961, 17.3108

Achromatomaly

15.2437, 16.3284, 8.3095

CSS Examples

Text

The CSS property to change the color of the text to XYZ 17.9848, 18.3725, 2.5983 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(146, 115, 0)` looks like.

```
.text, #text, p{  
    color:rgb(146, 115, 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(146, 115, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(146, 115, 0) }
```

Border

The CSS property to change the border of an element to XYZ 17.9848, 18.3725, 2.5983 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(146, 115, 0) }
```


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

```
.border{ border-color:rgb(146, 115, 0) }
```

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

Here you see how a box with a 4 pixel rgb(146, 115, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(146, 115, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(146, 115, 0);  
box-shadow:4px 4px 4px 4px rgb(146, 115,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 17.9848, 18.3725, 2.5983 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(146, 115, 0) }
```

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

```
.background{ background-color: rgb(146,  
115, 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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