

Converting Colors

XYZ(16.7141, 18.8220, 1.0667)

Have a look what the booklet for
XYZ(16.7141, 18.8220, 1.0667)
contains.

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Color

**XYZ(16.9907, 18.9090,
2.7543)**

Conversions

Conversions Part 1

Format	Color
Hex	887900
RGB	136, 121, 0
RGB Percent	53%, 47%, 0%
CMY	0.4667, 0.5255, 1.0000
CMYK	0.00, 0.11, 1.00, 0.47
HSL	53°, 100%, 27%
HSV	53°, 100%, 53%
XYZ	16.9907, 18.9090, 2.7543
YIQ	111.6910, 47.7810, -34.4510

Conversions

Conversions Part 2

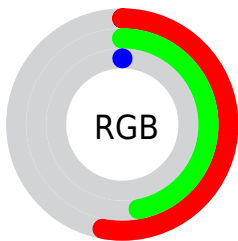
Format	Color
R _Y B	17, 136, 0
Decimal	8943872
CIE Lab	50.58, -5.32, 56.08
CIE LCh	51, 56.336, 95.422
Yxy	18.9090, 0.4396, 0.4892
Android (android.graphics.Color)	4287133952 (0xFF887900)
YUV	111.6910, -55.0637, 21.3190
Hunter-Lab	43.4845, -6.3525, 26.6837

Details

The XYZ color **16.9907, 18.9090, 2.7543** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **4.6149, 2.1193, 23.4581**, and the grayscale version is **15.4576, 16.2626, 17.7099**.

A 20% lighter version of the original color is **37.8900, 41.6063, 11.0348**, and **5.8622, 6.5589, 0.9570** is the 20% darker color. If you saturate the color by 10%, you get **16.9910, 18.9097, 2.7544**, and if you desaturate by 10%, it is **17.2514, 19.3079, 3.2192**.

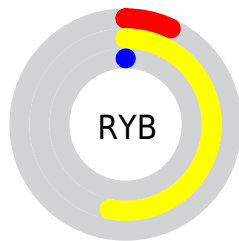
Distribution



Red (53%)

Green (47%)

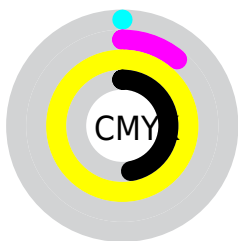
Blue (0%)



Red (7%)

Yellow (53%)

Blue (0%)

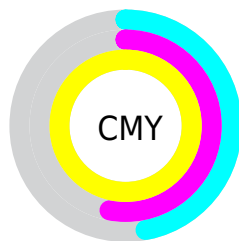


Cyan (0%)

Magenta (11%)

Yellow (100%)

Black (47%)



Cyan (47%)

Magenta (53%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 16.9907, 18.9090, 2.7543 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 16.9907, 18.9090, 2.7543 by changing the saturation by 10% instead.

■ 16.9907, 18.9090,
2.7543

■ 16.9907, 18.9090,
2.7543

228.2761,
245.9459, 133.1670

■ 10.3231, 11.6045,
0.9706

■ 37.8535, 41.5803,
11.0159

■ 5.6776, 6.4750,
0.0000

■ 52.7795, 57.7159,
18.3309

■ 2.6888, 3.1360,
0.0000

■ 71.1889, 77.5640,
28.3267

■ 0.9914, 1.2031,
0.0000

■ 93.4472, 101.5090,
41.4218


■ 0.0000, 0.0643,
0.0000


■ 119.9197,
129.9353, 58.0349


■ 0.0000, 0.0000,
0.0000


■ 150.9718,


163.2273, 78.5844


 186.9688,
201.7694, 103.4890


 16.9907, 18.9090,
2.7543


 16.9907, 18.9090,
2.7543


 16.9910, 18.9097,
2.7544

 17.2514, 19.3079,
3.2192

 17.5615, 19.7304,
3.9323

 17.9476, 20.1878,
5.0310

 18.4184, 20.6837,
6.5620

 18.9817, 21.2213,
8.5657

■ 19.6442, 21.8031,
11.0776

■ 20.4120, 22.4318,
14.1299

■ 21.2908, 23.1095,
17.7521

■ 22.2858, 23.8383,
21.9716

Harmonies

Analogous

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



22.7438, 18.9090, 3.4952



16.9907, 18.9090, 2.7543



12.5094, 18.9090, 4.4490

Triad

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



16.9907, 18.9090, 2.7543



10.6536, 18.9090, 43.6287



29.4181, 18.9090, 35.9448

Complementary

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



16.9907, 18.9090, 2.7543



4.6149, 2.1193, 23.4581

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.



24.8314, 18.9090, 56.4854



16.9907, 18.9090, 2.7543



13.9199, 18.9090, 62.2871

Square

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



16.9907, 18.9090, 2.7543



9.3607, 18.9090, 23.5880



18.9913, 18.9090, 67.9091



30.7025, 18.9090, 17.8550

Rectangle

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



16.9907, 18.9090, 2.7543



10.5905, 18.9090, 7.7323



18.9913, 18.9090, 67.9091



28.1713, 18.9090, 43.0275

Sweetspot

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



16.9911, 18.9099, 2.7547



35.8777, 39.4565, 24.5180



10.2459, 5.2714, 0.9627



8.1898, 9.0417, 5.2002



65.7814, 69.2071, 75.3665



9.5508, 10.0482, 10.9424

Same Dimension

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



16.9911, 18.9099, 2.7547



29.8739, 33.1857, 4.8310



12.4486, 19.4869, 3.1055



5.3848, 5.7524, 5.3789



16.0857, 17.9059, 2.6084



0.1131, 0.1314, 0.0194

Inverse Universe

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



4.6149, 2.1193, 23.4581



8.0712, 3.6121, 41.3202



5.8673, 2.5115, 23.4678



4.8162, 4.9754, 6.3123



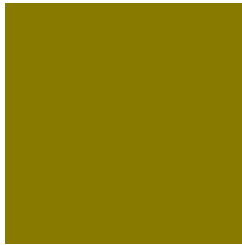
4.3716, 2.0135, 22.2039



0.0340, 0.0234, 0.1492

Previews

White Background



This preview shows how the XYZ color 16.9907, 18.9090, 2.7543 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 16.9907, 18.9090, 2.7543 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

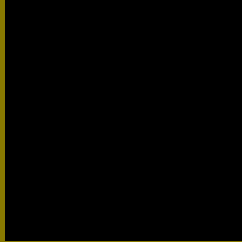
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 16.9907, 18.9090, 2.7543

Background



This preview shows how black text looks on a background with the XYZ color 16.9907, 18.9090, 2.7543.



This preview shows how white text looks on a background with the XYZ color 16.9907, 18.9090,

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

16.9907, 18.9090, 2.7543

Protanopia

16.9907, 18.9090, 2.7543

Deuteranopia

19.0524, 18.7445, 3.0658



Tritanopia

20.5731, 18.8085, 20.6352

Trichromacy



Original Color

16.9907, 18.9090, 2.7543

Protanomaly

16.9907, 18.9090, 2.7543

Deuteranomaly

18.2701, 18.8555, 2.9637

Tritanomaly

18.2855, 18.3727, 9.6037

Monochromacy



Original Color

16.9907, 18.9090, 2.7543

Achromatopsia

15.4009, 16.2029, 17.6450

Achromatomaly

15.1532, 16.7813, 8.4017

CSS Examples

Text

The CSS property to change the color of the text to XYZ 16.9907, 18.9090, 2.7543 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(136, 121, 0)` looks like.

```
.text, #text, p{  
    color:rgb(136, 121, 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(136, 121, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(136, 121, 0) }
```

Border

The CSS property to change the border of an element to XYZ 16.9907, 18.9090, 2.7543 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(136, 121, 0) }
```


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

```
.border{ border-color:rgb(136, 121, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(136, 121, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(136, 121, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(136, 121, 0);  
box-shadow:4px 4px 4px 4px rgb(136, 121,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 16.9907, 18.9090, 2.7543 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(136, 121, 0) }
```

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

```
.background{ background-color: rgb(136,  
121, 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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