

Converting Colors

XYZ(18.1002, 19.7369, 0.0000)

Have a look what the booklet for
XYZ(18.1002, 19.7369, 0.0000)
contains.

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Color

**XYZ(18.6366, 19.9388,
2.8663)**

Conversions

Conversions Part 1

Format	Color
Hex	917A00
RGB	145, 122, 0
RGB Percent	57%, 48%, 0%
CMY	0.4314, 0.5216, 1.0000
CMYK	0.00, 0.16, 1.00, 0.43
HSL	50°, 100%, 28%
HSV	50°, 100%, 57%
XYZ	18.6366, 19.9388, 2.8663
YIQ	114.9690, 52.8700, -33.0660

Conversions

Conversions Part 2

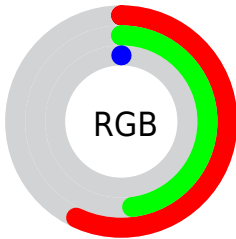
Format	Color
R_{YB}	27, 145, 0
Decimal	9533952
CIE Lab	51.77, -1.63, 57.35
CIE LCh	52, 57.369, 91.624
Yxy	19.9388, 0.4497, 0.4811
Android (android.graphics.Color)	4287724032 (0xFF917A00)
YUV	114.9690, -56.6797, 26.3372
Hunter-Lab	44.6529, -3.6427, 27.4512

Details

The XYZ color **18.6366, 19.9388, 2.8663** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.4174, 2.6573, 27.0153**, and the grayscale version is **16.4423, 17.2986, 18.8381**.

A 20% lighter version of the original color is **40.7480, 43.3620, 11.3763**, and **6.6652, 7.0712, 1.0136** is the 20% darker color. If you saturate the color by 10%, you get **18.6369, 19.9395, 2.8664**, and if you desaturate by 10%, it is **19.0055, 20.5443, 3.3975**.

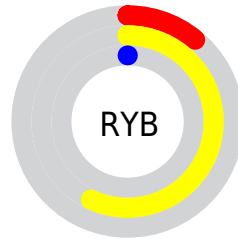
Distribution



Red (57%)

Green (48%)

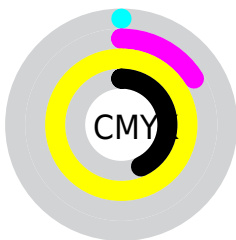
Blue (0%)



Red (11%)

Yellow (57%)

Blue (0%)

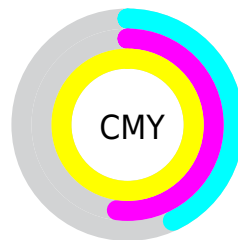


Cyan (0%)

Magenta (16%)

Yellow (100%)

Black (43%)



Cyan (43%)

Magenta (52%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 18.6366, 19.9388, 2.8663 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 18.6366, 19.9388, 2.8663 by changing the saturation by 10% instead.

■ 18.6366, 19.9388,
2.8663

■ 18.6366, 19.9388,
2.8663

237.4120,
251.5836, 134.6391

■ 11.5104, 12.3506,
1.0268

■ 40.6408, 43.3146,
11.2967

■ 6.4811, 6.9829,
0.0000

■ 56.2495, 59.8709,
18.7247

■ 3.1832, 3.4514,
0.0000

■ 75.4164, 80.1853,
28.8525

■ 1.2514, 1.3717,
0.0000

■ 98.5069, 104.6423,
42.0988


■ 0.1463, 0.1957,
0.0000


■ 125.8864,
133.6262, 58.8821


■ 0.0000, 0.0000,
0.0000


■ 157.9202,


167.5215, 79.6209


 194.9736,
206.7125, 104.7337


 18.6366, 19.9388,
2.8663


 18.6366, 19.9388,
2.8663


 18.6369, 19.9395,
2.8664

 19.0055, 20.5443,
3.3975

 19.4371, 21.1849,
4.2275

 19.9599, 21.8728,
5.5045

 20.5844, 22.6124,
7.2837

 21.3198, 23.4072,
9.6124

■ 22.1739, 24.2606,
12.5324

■ 23.1540, 25.1754,
16.0816

■ 24.2666, 26.1545,
20.2945

■ 25.5180, 27.2004,
25.2032

Harmonies

Analogous

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



24.7688, 19.9388, 3.9783



18.6366, 19.9388, 2.8663



13.6787, 19.9388, 4.2779

Triad

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



18.6366, 19.9388, 2.8663



10.9447, 19.9388, 43.1649



30.5710, 19.9388, 40.7305

Complementary

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



18.6366, 19.9388, 2.8663



5.4174, 2.6573, 27.0153

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.



25.4296, 19.9388, 61.9114



18.6366, 19.9388, 2.8663



14.1244, 19.9388, 63.7515

Square

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



18.6366, 19.9388, 2.8663



9.8375, 19.9388, 22.6287



19.2694, 19.9388, 71.9313



32.4474, 19.9388, 20.8164

Rectangle

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



18.6366, 19.9388, 2.8663



11.4762, 19.9388, 7.2936



19.2694, 19.9388, 71.9313



29.1218, 19.9388, 48.2297

Sweetspot

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



18.6370, 19.9398, 2.8667



41.3481, 44.9792, 28.3647



11.8437, 6.0865, 1.4242



9.0472, 9.8672, 5.7561



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.



18.6370, 19.9398, 2.8667



33.2709, 35.4985, 5.0983



15.0199, 22.7739, 3.6044



5.7677, 6.1418, 5.7709



16.0011, 17.1339, 2.4638



0.1656, 0.1891, 0.0278

Inverse Universe

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



5.4174, 2.6573, 27.0153



9.6152, 4.5860, 48.3520



6.3458, 2.6811, 26.9709



5.1944, 5.3846, 6.7943



4.6600, 2.3059, 23.1766



0.0551, 0.0431, 0.2251

Previews

White Background



This preview shows how the XYZ color 18.6366, 19.9388, 2.8663 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



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

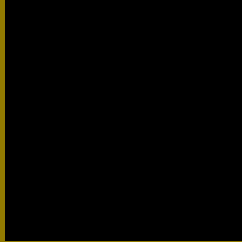
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

XYZ 18.6366, 19.9388, 2.8663

Background



This preview shows how black text looks on a background with the XYZ color 18.6366, 19.9388, 2.8663.

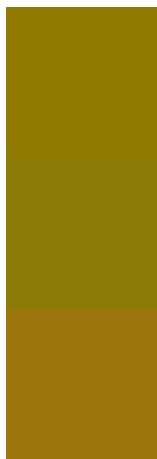


This preview shows how white text looks on a background with the XYZ color 18.6366, 19.9388,

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

18.6366, 19.9388, 2.8663

Protanopia

18.0503, 20.0017, 3.0529

Deuteranopia

20.1442, 19.8196, 3.1446



Tritanopia

22.3669, 19.8908, 21.0728

Trichromacy



Original Color

18.6366, 19.9388, 2.8663

Protanomaly

18.2547, 19.9233, 2.9696

Deuteranomaly

19.5895, 19.8866, 3.0357

Tritanomaly

20.0150, 19.4304, 9.9033

Monochromacy



Original Color

18.6366, 19.9388, 2.8663

Achromatopsia

16.2955, 17.1441, 18.6699

Achromatomaly

16.2852, 17.8735, 8.8949

CSS Examples

Text

The CSS property to change the color of the text to XYZ 18.6366, 19.9388, 2.8663 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(145, 122, 0)` looks like.

```
.text, #text, p{  
    color:rgb(145, 122, 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(145, 122, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 122, 0) }
```

Border

The CSS property to change the border of an element to XYZ 18.6366, 19.9388, 2.8663 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(145, 122, 0) }
```


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

```
.border{ border-color:rgb(145, 122, 0) }
```

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

Here you see how a box with a 4 pixel rgb(145, 122, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 122, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 122, 0);  
box-shadow:4px 4px 4px 4px rgb(145, 122,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 18.6366, 19.9388, 2.8663 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 122, 0) }
```

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

```
.background{ background-color: rgb(145,  
122, 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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