

Converting Colors

XYZ(19.4651, 25.4409, 3.8847)

Have a look what the booklet for
XYZ(19.4651, 25.4409, 3.8847)
contains.

XYZ(19.4870, 25.5346, 3.9016)	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(19.4870, 25.5346,
3.9016)**

Conversions

Conversions Part 1

Format	Color
Hex	819300
RGB	129, 147, 0
RGB Percent	51%, 58%, 0%
CMY	0.4941, 0.4235, 1.0000
CMYK	0.12, 0.00, 1.00, 0.42
HSL	67°, 100%, 29%
HSV	67°, 100%, 58%
XYZ	19.4870, 25.5346, 3.9016
YIQ	124.8600, 36.4590, -49.5330

Conversions

Conversions Part 2

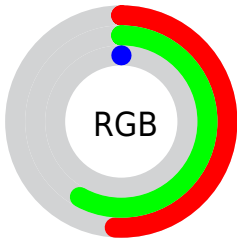
Format	Color
RYB	0, 147, 18
Decimal	8491776
CIELab	57.59, -22.38, 60.95
CIELCh	58, 64.926, 110.163
Yxy	25.5346, 0.3983, 0.5219
Android (android.graphics.Color)	4286681856 (0xFF819300)
YUV	124.8600, -61.5560, 3.6308
Hunter-Lab	50.5318, -19.5941, 30.7944

Details

The XYZ color **19.4870, 25.5346, 3.9016** is a dark color, and the websafe version is hex **999900**. A complement of this color would be **5.5167, 2.2357, 27.7461**, and the grayscale version is **19.6389, 20.6617, 22.5006**.

A 20% lighter version of the original color is **41.9997, 52.5298, 13.7200**, and **7.0845, 9.8616, 1.5301** is the 20% darker color. If you saturate the color by 10%, you get **19.4873, 25.5356, 3.9018**, and if you desaturate by 10%, it is **19.8477, 25.7117, 4.3580**.

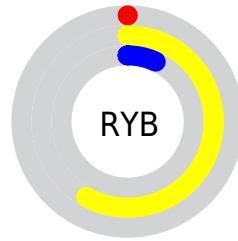
Distribution



Red (51%)

Green (58%)

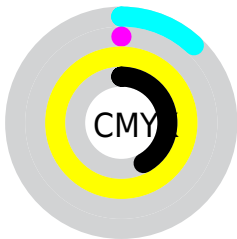
Blue (0%)



Red (0%)

Yellow (58%)

Blue (7%)

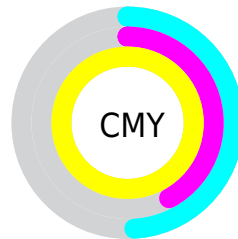


Cyan (12%)

Magenta (0%)

Yellow (100%)

Black (42%)



Cyan (49%)

Magenta (42%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the XYZ color 19.4870, 25.5346, 3.9016 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 19.4870, 25.5346, 3.9016 by changing the saturation by 10% instead.

■ 19.4870, 25.5346,
3.9016

■ 19.4870, 25.5346,
3.9016

242.0111,
280.4899, 147.1253

■ 12.1288, 16.4758,
1.5715

■ 42.0660, 52.5232,
13.7822

■ 6.9043, 9.8615,
0.2704

■ 58.0174, 71.2218,
22.1698

■ 3.4481, 5.3072,
0.0000

■ 77.5640, 93.9024,
33.4136

■ 1.3949, 2.4286,
0.0000

■ 101.0710,
120.9494, 47.9322

■ 0.2526, 0.8406,
0.0000

■ 128.9039,
152.7473, 66.1441

■ 0.0000, 0.0000,
0.0000

■ 161.4280,

189.6804, 88.4679

199.0086,
232.1332, 115.3221

19.4870, 25.5346,
3.9016

19.4870, 25.5346,
3.9016

19.4873, 25.5356,
3.9018

19.8477, 25.7117,
4.3580

20.2712, 25.9135,
5.1227

20.7867, 26.1527,
6.3464

21.4051, 26.4336,
8.0864

22.1357, 26.7600,
10.3915

■ 22.9867, 27.1351,
13.3052

■ 23.9657, 27.5620,
16.8664

■ 25.0793, 28.0433,
21.1109

■ 26.3340, 28.5816,
26.0720

Harmonies

Analogous

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



26.9061, 25.5346, 3.3890



19.4870, 25.5346, 3.9016



14.5309, 25.5346, 8.4447

Triad

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



19.4870, 25.5346, 3.9016



15.9201, 25.5346, 75.1389



42.1137, 25.5346, 35.7509

Complementary

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



19.4870, 25.5346, 3.9016



5.5167, 2.2357, 27.7461

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.



37.6058, 25.5346, 65.0859



19.4870, 25.5346, 3.9016



21.8117, 25.5346, 94.6205

Square

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



19.4870, 25.5346, 3.9016



12.7962, 25.5346, 45.2614



29.7775, 25.5346, 90.1935



41.1193, 25.5346, 15.5337

Rectangle

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



19.4870, 25.5346, 3.9016



12.7773, 25.5346, 15.6887



29.7775, 25.5346, 90.1935



41.1604, 25.5346, 44.9470

Sweetspot

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



19.4876, 25.5358, 3.9021



42.8002, 49.3063, 29.7698



12.2363, 6.6093, 0.6311



9.6120, 11.1866, 6.2124



71.1368, 74.8414, 81.5023



11.3376, 11.9280, 12.9896

Same Dimension

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



19.4876, 25.5358, 3.9021



34.7965, 45.6763, 6.9824



12.0854, 21.7198, 3.5557



6.1963, 6.7090, 6.2089



16.9074, 22.1439, 3.3831



0.2228, 0.2792, 0.0421

Inverse Universe

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



5.5167, 2.2357, 27.7461



9.7947, 3.9598, 49.6827



9.5475, 4.3137, 27.9348



5.5616, 5.6650, 7.2701



4.7945, 1.9442, 24.0536



0.0715, 0.0304, 0.2950

Previews

White Background



This preview shows how the XYZ color 19.4870, 25.5346, 3.9016 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 19.4870, 25.5346, 3.9016 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 19.4870, 25.5346, 3.9016

Background



This preview shows how black text looks on a background with the XYZ color 19.4870, 25.5346, 3.9016.



This preview shows how white text looks on a background with the XYZ color 19.4870, 25.5346,

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

19.4870, 25.5346, 3.9016

Protanopia

22.9429, 25.5332, 3.7192

Deuteranopia

25.7473, 25.3015, 4.4463



Tritanopia

25.0273, 25.5734, 31.2208

Trichromacy



Original Color

19.4870, 25.5346, 3.9016

Protanomaly

21.5271, 25.4570, 3.7791

Deuteranomaly

23.1397, 25.1978, 4.1343

Tritanomaly

21.6986, 25.0921, 14.2893

Monochromacy



Original Color

19.4870, 25.5346, 3.9016

Achromatopsia

19.4927, 20.5079, 22.3331

Achromatomaly

18.4397, 21.7899, 10.8234

CSS Examples

Text

The CSS property to change the color of the text to XYZ 19.4870, 25.5346, 3.9016 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(129, 147, 0)` looks like.

```
.text, #text, p{  
    color:rgb(129, 147, 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(129, 147, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(129, 147, 0) }
```

Border

The CSS property to change the border of an element to XYZ 19.4870, 25.5346, 3.9016 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(129, 147, 0) }
```


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

```
.border{ border-color:rgb(129, 147, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(129, 147, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(129, 147, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(129, 147, 0);  
box-shadow:4px 4px 4px 4px rgb(129, 147,  
0) }
```

Background

The CSS property to change the background color of an element to XYZ 19.4870, 25.5346, 3.9016 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(129, 147, 0) }
```

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

```
.background{ background-color: rgb(129,  
147, 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](#).

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