

Converting Colors

$Y_{xy}(19.1512, 0.4925, 0.4472)$

Have a look what the booklet for
Yxy(19.1512, 0.4925, 0.4472)
contains.

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Color

Yxy(19.1512, 0.4925, 0.4472)

Conversions

Conversions Part 1

Format	Color
Hex	A56E00
RGB	165, 110, 0
RGB Percent	65%, 43%, 0%
CMY	0.3530, 0.5686, 1.0000
CMYK	0.00, 0.33, 1.00, 0.35
HSL	40°, 100%, 32%
HSV	40°, 100%, 65%
XYZ	21.0912, 19.1512, 2.5823
YIQ	113.9050, 68.0900, -22.5500

Conversions

Conversions Part 2

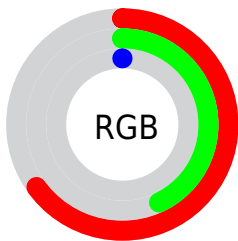
Format	Color
R_{YB}	83, 165, 0
Decimal	10841600
CIE Lab	50.86, 14.50, 57.82
CIE LCh	51, 59.611, 75.919
Yxy	19.1512, 0.4925, 0.4472
Android (android.graphics.Color)	4289031680 (0xFFA56E00)
YUV	113.9050, -56.1552, 44.8103
Hunter-Lab	43.7621, 9.4445, 27.1349

Details

The Yxy color **19.1512, 0.4925, 0.4472** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **5.4467, 0.1637, 0.1093**, and the grayscale version is **16.9544, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.8675, 0.4603, 0.4309**, and **6.6334, 0.5133, 0.4306** is the 20% darker color. If you saturate the color by 10%, you get **19.1524, 0.4925, 0.4472**, and if you desaturate by 10%, it is **20.4149, 0.4790, 0.4485**.

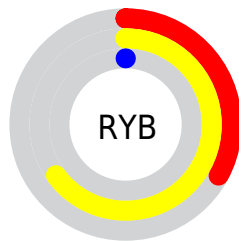
Distribution



Red (65%)

Green (43%)

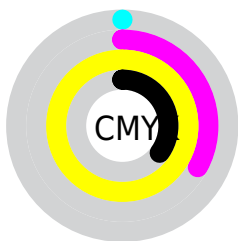
Blue (0%)



Red (33%)

Yellow (65%)

Blue (0%)

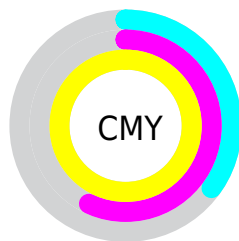


Cyan (0%)

Magenta (33%)

Yellow (100%)

Black (35%)



Cyan (35%)


Magenta (57%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.1512, 0.4925, 0.4472 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 Yxy color 19.1512, 0.4925, 0.4472 by changing the saturation by 10% instead.


 19.1512, 0.4925,
0.4472


 19.1512, 0.4925,
0.4472


247.2822, 0.3985,
0.3934


 11.7796, 0.5123,
0.4536


 41.9894, 0.4597,
0.4316

 6.5938, 0.5392,
0.4608


 58.2248, 0.4467,
0.4242


 3.2094, 0.5526,
0.4474

 78.1836, 0.4356,
0.4176

 1.2420, 0.5752,
0.4248

 102.2502, 0.4260,
0.4116

 0.0956, 0.8231,
0.1769


 130.8090, 0.4177,
0.4062


 0.0000, 0.0000,
0.0000


 164.2443, 0.4104,


0.4015

 202.9406, 0.4041,
0.3972


 19.1512, 0.4925,
0.4472

 19.1512, 0.4925,
0.4472


 19.1524, 0.4925,
0.4472

 20.4149, 0.4790,
0.4485

 21.7843, 0.4631,
0.4458

 23.2753, 0.4446,
0.4384

 24.8947, 0.4245,
0.4270

 26.6489, 0.4038,
0.4127

■ 28.5434, 0.3832,
0.3965

■ 30.5833, 0.3635,
0.3794

■ 32.7733, 0.3451,
0.3621

■ 35.1179, 0.3281,
0.3452

Harmonies

Analogous

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



19.1512, 0.5283, 0.3713



19.1512, 0.4925, 0.4472



19.1512, 0.4120, 0.5165

Triad

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



19.1512, 0.4925, 0.4472



19.1512, 0.1571, 0.3216



19.1512, 0.2782, 0.1931

Complementary

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



19.1512, 0.4925, 0.4472



5.4467, 0.1637, 0.1093

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.



19.1512, 0.1942, 0.1731



19.1512, 0.4925, 0.4472



19.1512, 0.1354, 0.2270

Square

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



19.1512, 0.4925, 0.4472



19.1512, 0.2194, 0.4519



19.1512, 0.1480, 0.1818



19.1512, 0.3918, 0.2382

Rectangle

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



19.1512, 0.4925, 0.4472



19.1512, 0.3469, 0.5380



19.1512, 0.1480, 0.1818



19.1512, 0.2459, 0.1835

Sweetspot

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



19.1524, 0.4925, 0.4472



54.5720, 0.3646, 0.3803



8.2741, 0.5620, 0.2869



11.6063, 0.3723, 0.3872



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



19.1524, 0.4925, 0.4472



33.9178, 0.4941, 0.4459



32.2667, 0.3904, 0.5282



7.8376, 0.3269, 0.3439



14.5853, 0.4915, 0.4479



0.3877, 0.4599, 0.4730

Inverse Universe

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



5.4467, 0.1637, 0.1093



9.4200, 0.1629, 0.1062



2.9561, 0.1578, 0.0643



7.2277, 0.2987, 0.3136



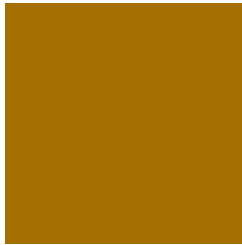
4.2048, 0.1642, 0.1111



0.1723, 0.1845, 0.1843

Previews

White Background



This preview shows how the Yxy color 19.1512, 0.4925, 0.4472 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 Yxy color 19.1512, 0.4925, 0.4472 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](#).

Yxy 19.1512, 0.4925, 0.4472

Background



This preview shows how black text looks on a background with the Yxy color 19.1512, 0.4925, 0.4472.



This preview shows how white text looks on a background with the Yxy color 19.1512, 0.4925, 0.4472.

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

19.1512, 0.4925, 0.4472

Protanopia

19.2616, 0.4365, 0.4849

Deuteranopia

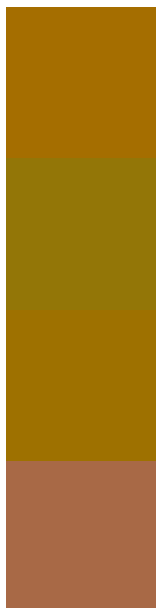
19.1315, 0.4716, 0.4637



Tritanopia

19.1746, 0.3991, 0.3169

Trichromacy



Original Color

19.1512, 0.4925, 0.4472

Protanomaly

19.1753, 0.4563, 0.4717

Deuteranomaly

19.0794, 0.4796, 0.4574

Tritanomaly

18.8702, 0.4512, 0.3817

Monochromacy



Original Color

19.1512, 0.4925, 0.4472

Achromatopsia

16.8269, 0.3127, 0.3290

Achromatomaly

17.2778, 0.3920, 0.4036

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1512, 0.4925, 0.4472 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(165, 110, 0)` looks like.

```
.text, #text, p{  
    color:rgb(165, 110, 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(165, 110, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(165, 110, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.1512, 0.4925, 0.4472 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(165, 110, 0) }
```

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

```
.border{ border-color:rgb(165, 110, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(165, 110, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(165, 110, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(165, 110, 0);  
box-shadow:4px 4px 4px 4px rgb(165, 110,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1512, 0.4925, 0.4472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(165, 110, 0) }
```

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

```
.background{ background-color: rgb(165,  
110, 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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