

Converting Colors

$Y_{xy}(19.0535, 0.4859, 0.5119)$

Have a look what the booklet for
Yxy(19.0535, 0.4859, 0.5119)
contains.

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Color

Yxy(19.1599, 0.4583, 0.4743)

Conversions

Conversions Part 1

Format	Color
Hex	937600
RGB	147, 118, 0
RGB Percent	58%, 46%, 0%
CMY	0.4235, 0.5373, 0.9999
CMYK	0.00, 0.20, 1.00, 0.42
HSL	48°, 100%, 29%
HSV	48°, 100%, 58%
XYZ	18.5136, 19.1599, 2.7227
YIQ	113.2190, 55.1620, -30.5500

Conversions

Conversions Part 2

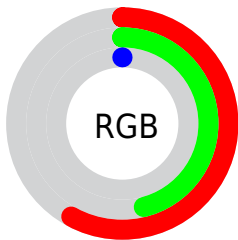
Format	Color
RYB	36, 147, 0
Decimal	9664000
CIELab	50.87, 1.59, 56.81
CIELCh	51, 56.837, 88.399
Yxy	19.1599, 0.4583, 0.4743
Android (android.graphics.Color)	4287854080 (0xFF937600)
YUV	113.2190, -55.8170, 29.6259
Hunter-Lab	43.7720, -1.1037, 26.9525

Details

The Yxy color **19.1599, 0.4583, 0.4743** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **2.9878, 0.1560, 0.0817**, and the grayscale version is **16.7404, 0.3127, 0.3290**.

A 20% lighter version of the original color is **42.1102, 0.4327, 0.4498**, and **6.6556, 0.4652, 0.4688** is the 20% darker color. If you saturate the color by 10%, you get **19.1601, 0.4583, 0.4743**, and if you desaturate by 10%, it is **19.8886, 0.4498, 0.4722**.

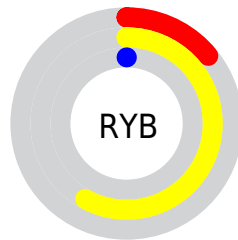
Distribution



Red (58%)

Green (46%)

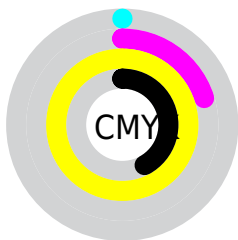
Blue (0%)



Red (14%)

Yellow (58%)

Blue (0%)

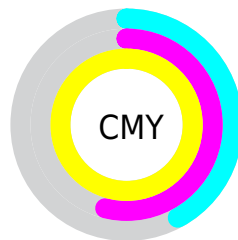


Cyan (0%)

Magenta (20%)

Yellow (100%)

Black (42%)



Cyan (42%)

Magenta (54%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 19.1599, 0.4583, 0.4743 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 19.1599, 0.4583, 0.4743 by changing the saturation by 10% instead.

■ 19.1599, 0.4583,
0.4743

■ 19.1599, 0.4583,
0.4743

■ 247.3301, 0.3838,
0.4010

■ 11.7859, 0.4727,
0.4878

■ 42.0041, 0.4330,
0.4498

■ 6.5980, 0.4932,
0.5068

■ 58.2431, 0.4227,
0.4397

■ 3.2120, 0.4948,
0.5052

■ 78.2059, 0.4138,
0.4309

■ 1.2434, 0.4975,
0.5025

■ 102.2768, 0.4061,
0.4233


■ 0.0967, 0.5747,
0.4253


■ 130.8403, 0.3994,
0.4166


■ 0.0000, 0.0000,
0.0000


■ 164.2807, 0.3935,


0.4107


 202.9825, 0.3884,
0.4056


 19.1599, 0.4583,
0.4743


 19.1599, 0.4583,
0.4743


 19.1601, 0.4583,
0.4743

 19.8886, 0.4498,
0.4722

 20.6611, 0.4394,
0.4668

 21.4899, 0.4263,
0.4570

 22.3794, 0.4112,
0.4434

 23.3336, 0.3947,
0.4268

■ 24.3560, 0.3775,
0.4081

■ 25.4497, 0.3603,
0.3883

■ 26.6175, 0.3435,
0.3681

■ 27.8623, 0.3276,
0.3482

Harmonies

Analogous

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



19.1599, 0.5128, 0.4017



19.1599, 0.4583, 0.4743



19.1599, 0.3713, 0.5249

Triad

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



19.1599, 0.4583, 0.4743



19.1599, 0.1497, 0.2789



19.1599, 0.3233, 0.2135

Complementary

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



19.1599, 0.4583, 0.4743



2.9878, 0.1560, 0.0817

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.



19.1599, 0.2281, 0.1834



19.1599, 0.4583, 0.4743



19.1599, 0.1427, 0.2083

Square

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



19.1599, 0.4583, 0.4743



19.1599, 0.1940, 0.3943



19.1599, 0.1682, 0.1800



19.1599, 0.4331, 0.2656

Rectangle

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



19.1599, 0.4583, 0.4743



19.1599, 0.3067, 0.5207



19.1599, 0.1682, 0.1800



19.1599, 0.2882, 0.2007

Sweetspot

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



19.1608, 0.4583, 0.4743



45.4380, 0.3613, 0.3895



6.2958, 0.6036, 0.3099



10.1984, 0.3679, 0.3972



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



19.1608, 0.4583, 0.4743



34.0531, 0.4592, 0.4736



23.7518, 0.3682, 0.5459



6.5521, 0.3264, 0.3466



16.6411, 0.4580, 0.4745



0.2435, 0.4369, 0.4913

Inverse Universe

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



2.9878, 0.1560, 0.0817



5.1433, 0.1553, 0.0789



2.6456, 0.1718, 0.0720



5.8074, 0.2989, 0.3107



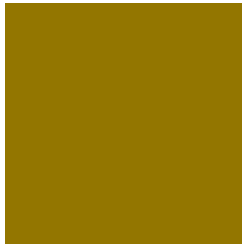
2.6187, 0.1563, 0.0825



0.0661, 0.1746, 0.1483

Previews

White Background



This preview shows how the Yxy color 19.1599, 0.4583, 0.4743 looks on a white background.

Color Contrast Check

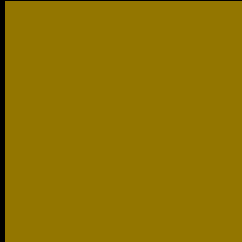
Large Text (above 18pt) WCAG AA ✓ Pass

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 19.1599, 0.4583, 0.4743 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 19.1599, 0.4583, 0.4743

Background



This preview shows how black text looks on a background with the Yxy color 19.1599, 0.4583, 0.4743.



This preview shows how white text looks on a background with the Yxy color 19.1599, 0.4583, 0.4743.

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

19.1599, 0.4583, 0.4743

Protanopia

19.2506, 0.4378, 0.4869

Deuteranopia

19.1534, 0.4688, 0.4602



Tritanopia

19.2322, 0.3609, 0.3158

Trichromacy



Original Color

19.1599, 0.4583, 0.4743

Protanomaly

19.3462, 0.4450, 0.4825

Deuteranomaly

19.0832, 0.4647, 0.4657

Tritanomaly

18.8976, 0.4146, 0.3930

Monochromacy



Original Color

19.1599, 0.4583, 0.4743

Achromatopsia

16.5132, 0.3127, 0.3290

Achromatomaly

17.0893, 0.3802, 0.4123

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.1599, 0.4583, 0.4743 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(147, 118, 0)` looks like.

```
.text, #text, p{  
    color:rgb(147, 118, 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(147, 118, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 118, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.1599, 0.4583, 0.4743 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(147, 118, 0) }
```

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

```
.border{ border-color:rgb(147, 118, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 118, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 118, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 118, 0);  
box-shadow:4px 4px 4px 4px rgb(147, 118,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 19.1599, 0.4583, 0.4743 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 118, 0) }
```

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

```
.background{ background-color: rgb(147,  
118, 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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