

Converting Colors

$Y_{xy}(19.8146, 0.4558, 0.4763)$

Have a look what the booklet for
Yxy(19.8146, 0.4558, 0.4763)
contains.

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Color

$Y_{xy}(19.7288, 0.4565, 0.4758)$

Conversions

Conversions Part 1

Format	Color
Hex	947800
RGB	148, 120, 0
RGB Percent	58%, 47%, 0%
CMY	0.4196, 0.5294, 1.0000
CMYK	0.00, 0.19, 1.00, 0.42
HSL	49°, 100%, 29%
HSV	49°, 100%, 58%
XYZ	18.9285, 19.7288, 2.8071
YIQ	114.6920, 55.2080, -31.3840

Conversions

Conversions Part 2

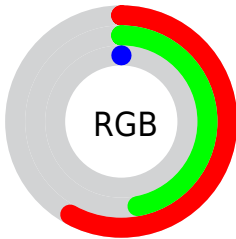
Format	Color
R_{YB}	35, 148, 0
Decimal	9730048
CIE _{Lab}	51.53, 0.91, 57.35
CIE _{LCh}	52, 57.354, 89.088
Yxy	19.7288, 0.4565, 0.4758
Android (android.graphics.Color)	4287920128 (0xFF947800)
YUV	114.6920, -56.5432, 29.2111
Hunter-Lab	44.4171, -1.6614, 27.3449

Details

The Yxy color **19.7288, 0.4565, 0.4758** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **2.9682, 0.1556, 0.0802**, and the grayscale version is **17.2088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **43.0085, 0.4319, 0.4513**, and **6.9619, 0.4623, 0.4711** is the 20% darker color. If you saturate the color by 10%, you get **19.7300, 0.4565, 0.4758**, and if you desaturate by 10%, it is **20.4472, 0.4483, 0.4736**.

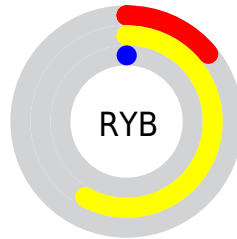
Distribution



Red (58%)

Green (47%)

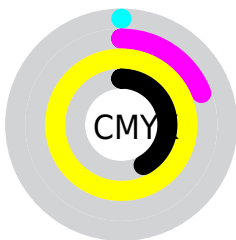
Blue (0%)



Red (14%)

Yellow (58%)

Blue (0%)

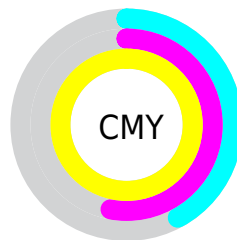


Cyan (0%)

Magenta (19%)

Yellow (100%)

Black (42%)



Cyan (42%)


Magenta (53%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 19.7288, 0.4565, 0.4758 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 19.7288, 0.4565, 0.4758 by changing the saturation by 10% instead.


 19.7288, 0.4565,
0.4758

 19.7288, 0.4565,
0.4758


250.4432, 0.3834,
0.4018


 12.1981, 0.4704,
0.4895


 42.9620, 0.4319,
0.4511

 6.8787, 0.4906,
0.5094


 59.4333, 0.4218,
0.4409

 3.3864, 0.4915,
0.5085

 79.6536, 0.4130,
0.4320

 1.3366, 0.4930,
0.5070

 104.0072, 0.4054,
0.4243

 0.1693, 0.5197,
0.4803


 132.8785, 0.3988,
0.4175


 0.0000, 0.0000,
0.0000

 166.6521, 0.3931,


0.4116


 205.7121, 0.3880,
0.4064


 19.7288, 0.4565,
0.4758


 19.7288, 0.4565,
0.4758


 19.7300, 0.4565,
0.4758

 20.4472, 0.4483,
0.4736

 21.2081, 0.4381,
0.4681

 22.0244, 0.4254,
0.4582

 22.9006, 0.4105,
0.4445

 23.8408, 0.3942,
0.4277

■ 24.8485, 0.3772,
0.4089

■ 25.9267, 0.3602,
0.3889

■ 27.0784, 0.3435,
0.3685

■ 28.3063, 0.3276,
0.3484

Harmonies

Analogous

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



19.7288, 0.5120, 0.4034



19.7288, 0.4565, 0.4758



19.7288, 0.3691, 0.5253

Triad

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



19.7288, 0.4565, 0.4758



19.7288, 0.1493, 0.2768



19.7288, 0.3258, 0.2146

Complementary

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



19.7288, 0.4565, 0.4758



2.9682, 0.1556, 0.0802

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.



19.7288, 0.2300, 0.1839



19.7288, 0.4565, 0.4758



19.7288, 0.1430, 0.2073

Square

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



19.7288, 0.4565, 0.4758



19.7288, 0.1926, 0.3913



19.7288, 0.1693, 0.1798



19.7288, 0.4353, 0.2670

Rectangle

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



19.7288, 0.4565, 0.4758



19.7288, 0.3045, 0.5196



19.7288, 0.1693, 0.1798



19.7288, 0.2906, 0.2016

Sweetspot

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



19.7300, 0.4565, 0.4758



45.6300, 0.3612, 0.3901



6.3874, 0.6037, 0.3100



10.2472, 0.3677, 0.3979



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.



19.7300, 0.4565, 0.4758



34.5770, 0.4573, 0.4751



24.0984, 0.3681, 0.5459



6.5601, 0.3264, 0.3468



16.8901, 0.4562, 0.4760



0.2454, 0.4360, 0.4920

Inverse Universe

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



2.9682, 0.1556, 0.0802



5.0449, 0.1549, 0.0776



2.6824, 0.1717, 0.0720



5.8000, 0.2989, 0.3105



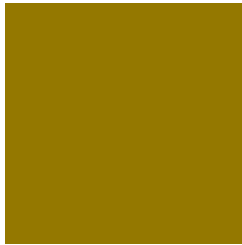
2.5671, 0.1559, 0.0811



0.0642, 0.1737, 0.1452

Previews

White Background



This preview shows how the Yxy color 19.7288, 0.4565, 0.4758 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 19.7288, 0.4565, 0.4758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

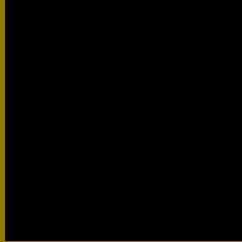
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 19.7288, 0.4565, 0.4758

Background



This preview shows how black text looks on a background with the Yxy color 19.7288, 0.4565, 0.4758.



This preview shows how white text looks on a background with the Yxy color 19.7288, 0.4565, 0.4758.

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

19.7288, 0.4565, 0.4758

Protanopia

19.6680, 0.4390, 0.4861

Deuteranopia

19.8147, 0.4679, 0.4605



Tritanopia

19.8144, 0.3588, 0.3159

Trichromacy



Original Color

19.7288, 0.4565, 0.4758

Protanomaly

19.6786, 0.4448, 0.4826

Deuteranomaly

19.7445, 0.4638, 0.4660

Tritanomaly

19.4587, 0.4130, 0.3942

Monochromacy



Original Color

19.7288, 0.4565, 0.4758

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.7156, 0.3804, 0.4130

CSS Examples

Text

The CSS property to change the color of the text to Yxy 19.7288, 0.4565, 0.4758 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(148, 120, 0)` looks like.

```
.text, #text, p{  
    color:rgb(148, 120, 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(148, 120, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 120, 0) }
```

Border

The CSS property to change the border of an element to Yxy 19.7288, 0.4565, 0.4758 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(148, 120, 0) }
```

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

```
.border{ border-color:rgb(148, 120, 0) }
```

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

Here you see how a box with a 4 pixel rgb(148, 120, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 120, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 120, 0);  
box-shadow:4px 4px 4px 4px rgb(148, 120,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 19.7288, 0.4565, 0.4758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 120, 0) }
```

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

```
.background{ background-color: rgb(148,  
120, 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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