

Converting Colors

$Yxy(16.6537, 0.4783, 0.4584)$

Have a look what the booklet for
Yxy(16.6537, 0.4783, 0.4584)
contains.

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Color

Yxy(16.6040, 0.4789, 0.4579)

Conversions

Conversions Part 1

Format	Color
Hex	946A00
RGB	148, 106, 0
RGB Percent	58%, 42%, 0%
CMY	0.4197, 0.5843, 0.9997
CMYK	0.00, 0.28, 1.00, 0.42
HSL	43°, 100%, 29%
HSV	43°, 100%, 58%
XYZ	17.3655, 16.6040, 2.2917
YIQ	106.4740, 59.0580, -24.0620

Conversions

Conversions Part 2

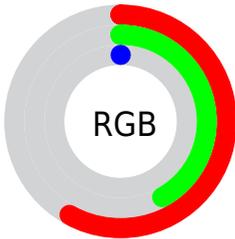
Format	Color
RYB	59, 148, 0
Decimal	9726464
CIELab	47.76, 8.90, 54.71
CIELCh	48, 55.426, 80.757
Yxy	16.6040, 0.4789, 0.4579
Android (android.graphics.Color)	4287916544 (0xFF946A00)
YUV	106.4740, -52.4917, 36.4183
Hunter-Lab	40.7480, 4.7619, 25.1891

Details

The Yxy color **16.6040, 0.4789, 0.4579** is a dark color, and the websafe version is hex **996600**. A complement of this color would be **3.7982, 0.1608, 0.0989**, and the grayscale version is **14.6882, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5836, 0.4476, 0.4383**, and **5.4032, 0.4937, 0.4462** is the 20% darker color. If you saturate the color by 10%, you get **16.6001, 0.4790, 0.4579**, and if you desaturate by 10%, it is **17.5259, 0.4671, 0.4575**.

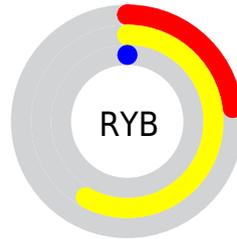
Distribution



Red (58%)

Green (42%)

Blue (0%)



Red (23%)

Yellow (58%)

Blue (0%)

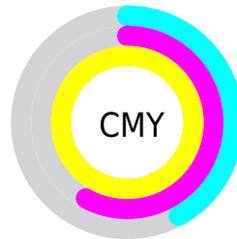


Cyan (0%)

Magenta (28%)

Yellow (100%)

Black (42%)



Cyan (42%)

Magenta (58%)

Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.6040, 0.4789, 0.4579 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 16.6040, 0.4789, 0.4579 by changing the saturation by 10% instead.

 16.6040, 0.4789,
0.4579

 16.6040, 0.4789,
0.4579

 232.8799, 0.3905,
0.3947

 9.9526, 0.4980,
0.4679

 37.6436, 0.4478,
0.4379

 5.3675, 0.5219,
0.4781

 52.8006, 0.4355,
0.4292

 2.4645, 0.5318,
0.4682

 71.5616, 0.4250,
0.4215

 0.8588, 0.5497,
0.4503

 94.3110, 0.4160,
0.4147

 0.0000, 0.0000,
0.0000

 121.4331, 0.4083,
0.4087

 153.3123, 0.4015,

0.4035

 190.3331, 0.3957,
0.3988

 16.6040, 0.4789,
0.4579

 16.6040, 0.4789,
0.4579

 16.6001, 0.4790,
0.4579

 17.5259, 0.4671,
0.4575

 18.5140, 0.4533,
0.4535

 19.5810, 0.4369,
0.4450

 20.7320, 0.4188,
0.4327

 21.9713, 0.3997,
0.4174

■ 23.3027, 0.3806,
0.4003

■ 24.7299, 0.3619,
0.3823

■ 26.2561, 0.3442,
0.3640

■ 27.8844, 0.3278,
0.3461

Harmonies

Analogous

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



16.6040, 0.5223, 0.3833



16.6040, 0.4789, 0.4579



16.6040, 0.3960, 0.5204

Triad

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



16.6040, 0.4789, 0.4579



16.6040, 0.1543, 0.3039



16.6040, 0.2957, 0.2013

Complementary

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



16.6040, 0.4789, 0.4579



3.7982, 0.1608, 0.0989

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.



16.6040, 0.2074, 0.1774



16.6040, 0.4789, 0.4579



16.6040, 0.1384, 0.2194

Square

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



16.6040, 0.4789, 0.4579



16.6040, 0.2093, 0.4285



16.6040, 0.1560, 0.1812



16.6040, 0.4082, 0.2491

Rectangle

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



16.6040, 0.4789, 0.4579



16.6040, 0.3311, 0.5321



16.6040, 0.1560, 0.1812



16.6040, 0.2623, 0.1904

Sweetspot

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



16.6048, 0.4789, 0.4579



43.4734, 0.3631, 0.3835



6.4817, 0.5718, 0.2924



9.7002, 0.3702, 0.3904



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.



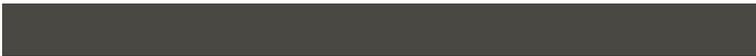
16.6048, 0.4789, 0.4579



28.9919, 0.4804, 0.4568



25.0560, 0.3850, 0.5325



6.4693, 0.3266, 0.3448



14.2294, 0.4785, 0.4583



0.2244, 0.4463, 0.4839

Inverse Universe

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



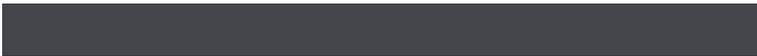
3.7982, 0.1608, 0.0989



6.4370, 0.1599, 0.0956



2.4103, 0.1611, 0.0661



5.8851, 0.2989, 0.3127



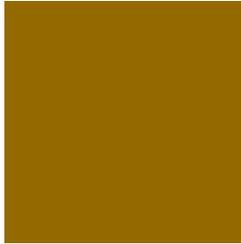
3.2826, 0.1611, 0.0999



0.0852, 0.1829, 0.1785

Previews

White Background



This preview shows how the Yxy color 16.6040, 0.4789, 0.4579 looks on a white background.

Color Contrast Check

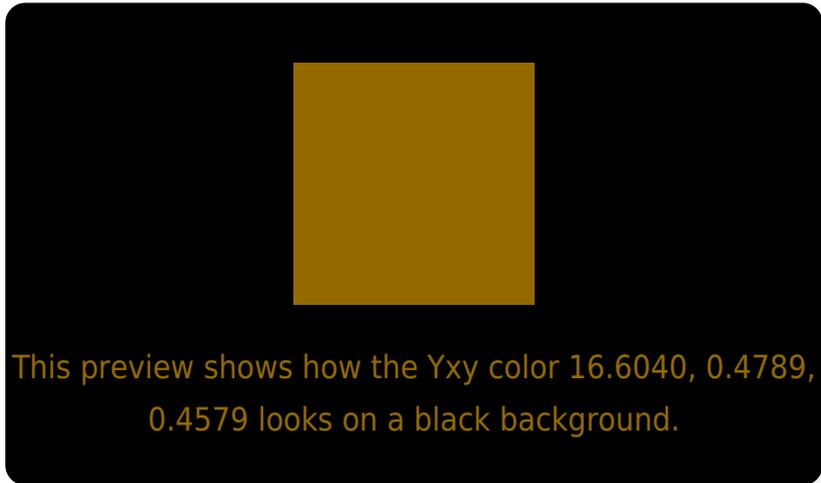
Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

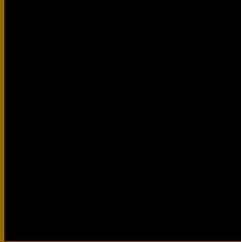
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

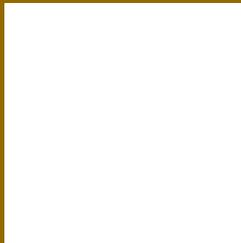
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 16.6040, 0.4789, 0.4579

Background



This preview shows how black text looks on a background with the Yxy color 16.6040, 0.4789, 0.4579.



This preview shows how white text looks on a background with the Yxy color 16.6040, 0.4789, 0.4579.

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

16.6040, 0.4789, 0.4579

Protanopia

16.6435, 0.4365, 0.4853

Deuteranopia

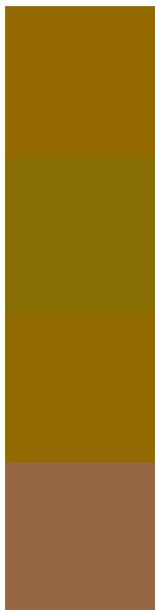
16.6544, 0.4705, 0.4646



Tritanopia

16.7366, 0.3830, 0.3174

Trichromacy



Original Color

16.6040, 0.4789, 0.4579

Protanomaly

16.5329, 0.4517, 0.4754

Deuteranomaly

16.5351, 0.4734, 0.4623

Tritanomaly

16.4873, 0.4356, 0.3877

Monochromacy



Original Color

16.6040, 0.4789, 0.4579

Achromatopsia

14.4128, 0.3127, 0.3290

Achromatomaly

14.7783, 0.3876, 0.4076

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6040, 0.4789, 0.4579 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, 106, 0)` looks like.

```
.text, #text, p{  
  color:rgb(148, 106, 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, 106, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(148, 106, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.6040, 0.4789, 0.4579 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, 106, 0) }
```

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

```
.border{ border-color:rgb(148, 106, 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, 106, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(148, 106, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(148, 106, 0);  
box-shadow:4px 4px 4px 4px rgb(148, 106,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 16.6040, 0.4789, 0.4579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(148, 106, 0) }
```

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

```
.background{ background-color: rgb(148,  
106, 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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