

Converting Colors

$Y_{xy}(15.7851, 0.4150, 0.5461)$

Have a look what the booklet for
Yxy(15.7851, 0.4150, 0.5461)
contains.

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Color

Yxy(15.9601, 0.4008, 0.5199)

Conversions

Conversions Part 1

Format	Color
Hex	697600
RGB	105, 118, 0
RGB Percent	41%, 46%, 0%
CMY	0.5883, 0.5372, 0.9997
CMYK	0.11, 0.00, 1.00, 0.54
HSL	67°, 100%, 23%
HSV	67°, 100%, 46%
XYZ	12.3039, 15.9601, 2.4344
YIQ	100.6610, 30.1300, -39.4540

Conversions

Conversions Part 2

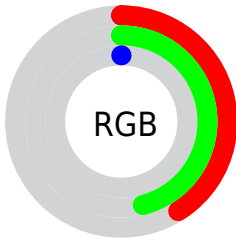
Format	Color
RYB	0, 118, 13
Decimal	6911488
CIELab	46.92, -18.28, 52.14
CIELCh	47, 55.256, 109.322
Yxy	15.9601, 0.4008, 0.5199
Android (android.graphics.Color)	4285101568 (0xFF697600)
YUV	100.6610, -49.6259, 3.8053
Hunter-Lab	39.9501, -14.9378, 24.3522

Details

The Yxy color **15.9601, 0.4008, 0.5199** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.3963, 0.1558, 0.0633**, and the grayscale version is **13.0489, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.4793, 0.3879, 0.4785**, and **5.1646, 0.3835, 0.5337** is the 20% darker color. If you saturate the color by 10%, you get **15.9601, 0.4008, 0.5200**, and if you desaturate by 10%, it is **16.0664, 0.3992, 0.5121**.

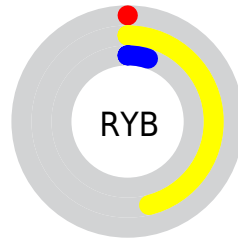
Distribution



Red (41%)

Green (46%)

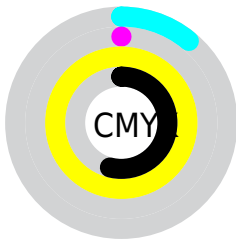
Blue (0%)



Red (0%)

Yellow (46%)

Blue (5%)

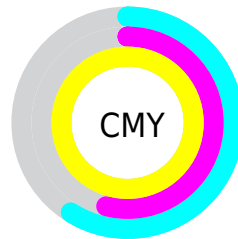


Cyan (11%)

Magenta (0%)

Yellow (100%)

Black (54%)



Cyan (59%)


Magenta (54%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9601, 0.4008, 0.5199 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 15.9601, 0.4008, 0.5199 by changing the saturation by 10% instead.


 15.9601, 0.4008,
0.5199


 15.9601, 0.4008,
0.5199


 229.1062, 0.3586,
0.4106


 9.4959, 0.4054,
0.5481


 36.5289, 0.3883,
0.4782


 5.0660, 0.4102,
0.5898

 51.4024, 0.3824,
0.4629


 2.2861, 0.3859,
0.6141

 69.8477, 0.3772,
0.4502

 0.7663, 0.2690,
0.7310


 92.2492, 0.3725,
0.4396


 0.0000, 0.0000,
0.0000


 118.9915, 0.3684,
0.4306


 150.4588, 0.3647,

0.4230


 187.0356, 0.3615,
0.4163

 15.9601, 0.4008,
0.5199

 15.9601, 0.4008,
0.5199

 15.9601, 0.4008,
0.5200

 16.0664, 0.3992,
0.5121

 16.1854, 0.3960,
0.5017

 16.3269, 0.3906,
0.4874

 16.4933, 0.3828,
0.4693

 16.6867, 0.3732,
0.4484

■ 16.9091, 0.3622,
0.4253

■ 17.1621, 0.3501,
0.4011

■ 17.4474, 0.3376,
0.3765

■ 17.7664, 0.3250,
0.3522

Harmonies

Analogous

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



15.9601, 0.4833, 0.4550



15.9601, 0.4008, 0.5199



15.9601, 0.3025, 0.5266

Triad

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



15.9601, 0.4008, 0.5199



15.9601, 0.1371, 0.2212



15.9601, 0.4037, 0.2457

Complementary

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



15.9601, 0.4008, 0.5199



1.3963, 0.1558, 0.0633

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.



15.9601, 0.2904, 0.1986



15.9601, 0.4008, 0.5199



15.9601, 0.1533, 0.1810

Square

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



15.9601, 0.4008, 0.5199



15.9601, 0.1547, 0.3088



15.9601, 0.2031, 0.1757



15.9601, 0.4977, 0.3090

Rectangle

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



15.9601, 0.4008, 0.5199



15.9601, 0.2395, 0.4751



15.9601, 0.2031, 0.1757



15.9601, 0.3652, 0.2277

Sweetspot

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



15.9608, 0.4008, 0.5199



30.1360, 0.3512, 0.4031



4.1120, 0.6278, 0.3396



6.8940, 0.3552, 0.4112



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



15.9608, 0.4008, 0.5199



28.0266, 0.4003, 0.5203



13.5684, 0.3268, 0.5786



4.2468, 0.3239, 0.3501



17.2621, 0.4007, 0.5200



83.8904, 0.3997, 0.5208

Inverse Universe

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



1.3963, 0.1558, 0.0633



2.4180, 0.1545, 0.0625



2.6434, 0.2267, 0.1023



3.6074, 0.3010, 0.3072



1.5045, 0.1556, 0.0631



7.1368, 0.1531, 0.0617

Previews

White Background



This preview shows how the Yxy color 15.9601, 0.4008, 0.5199 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



This preview shows how the Xy color 15.9601, 0.4008, 0.5199 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✗ Fail

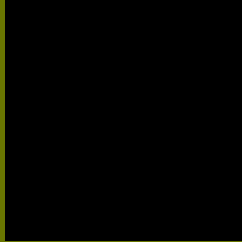
Large Text (above 18pt) WCAG AAA ✗ Fail

Any Text WCAG AAA ✗ Fail

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

Yxy 15.9601, 0.4008, 0.5199

Background



This preview shows how black text looks on a background with the Yxy color 15.9601, 0.4008, 0.5199.



This preview shows how white text looks on a background with the Yxy color 15.9601, 0.4008, 0.5199.

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

15.9601, 0.4008, 0.5199

Protanopia

16.0240, 0.4396, 0.4892

Deuteranopia

15.7291, 0.4625, 0.4549



Tritanopia

16.0373, 0.3082, 0.3131

Trichromacy



Original Color

15.9601, 0.4008, 0.5199

Protanomaly

15.8862, 0.4251, 0.5007

Deuteranomaly

15.6929, 0.4398, 0.4793

Tritanomaly

15.6978, 0.3577, 0.4089

Monochromacy



Original Color

15.9601, 0.4008, 0.5199

Achromatopsia

13.0136, 0.3127, 0.3290

Achromatomaly

13.7103, 0.3616, 0.4251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9601, 0.4008, 0.5199 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(105, 118, 0)` looks like.

```
.text, #text, p{  
    color:rgb(105, 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(105, 118, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(105, 118, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.9601, 0.4008, 0.5199 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(105, 118, 0) }
```

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

```
.border{ border-color:rgb(105, 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(105, 118, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(105, 118, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(105, 118, 0);  
box-shadow:4px 4px 4px 4px rgb(105, 118,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9601, 0.4008, 0.5199 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(105, 118, 0) }
```

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

```
.background{ background-color: rgb(105,  
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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