

Converting Colors

$Y_{xy}(16.0659, 0.4280, 0.5022)$

Have a look what the booklet for
Yxy(16.0659, 0.4280, 0.5022)
contains.

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Color

Yxy(15.9566, 0.4265, 0.4995)

Conversions

Conversions Part 1

Format	Color
Hex	777200
RGB	119, 114, 0
RGB Percent	47%, 45%, 0%
CMY	0.5334, 0.5529, 0.9997
CMYK	0.00, 0.04, 1.00, 0.53
HSL	57°, 100%, 23%
HSV	57°, 100%, 47%
XYZ	13.6246, 15.9566, 2.3639
YIQ	102.4990, 39.5740, -34.3940

Conversions

Conversions Part 2

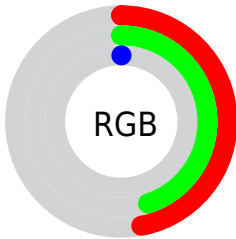
Format	Color
R_{YB}	5, 119, 0
Decimal	7827968
CIE _{Lab}	46.92, -9.52, 52.68
CIE _{LCh}	47, 53.537, 100.242
Yxy	15.9566, 0.4265, 0.4995
Android (android.graphics.Color)	4286018048 (0xFF777200)
YUV	102.4990, -50.5320, 14.4714
Hunter-Lab	39.9457, -9.0226, 24.4533

Details

The Yxy color **15.9566, 0.4265, 0.4995** is a dark color, and the websafe version is hex **666600**. A complement of this color would be **1.4422, 0.1513, 0.0644**, and the grayscale version is **13.5548, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.7453, 0.4075, 0.4648**, and **5.0547, 0.4193, 0.5053** is the 20% darker color. If you saturate the color by 10%, you get **15.9564, 0.4265, 0.4995**, and if you desaturate by 10%, it is **16.0966, 0.4220, 0.4942**.

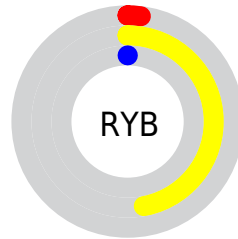
Distribution



Red (47%)

Green (45%)

Blue (0%)



Red (2%)

Yellow (47%)

Blue (0%)

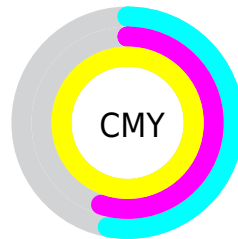


Cyan (0%)

Magenta (4%)

Yellow (100%)

Black (53%)



Cyan (53%)


Magenta (55%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 15.9566, 0.4265, 0.4995 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 15.9566, 0.4265, 0.4995 by changing the saturation by 10% instead.


 15.9566, 0.4265,
0.4995


 15.9566, 0.4265,
0.4995


229.0855, 0.3687,
0.4052


 9.4934, 0.4363,
0.5216


 36.5228, 0.4076,
0.4650


 5.0644, 0.4479,
0.5521

 51.3947, 0.3995,
0.4518

 2.2851, 0.4356,
0.5644

 69.8383, 0.3925,
0.4407

 0.7658, 0.3928,
0.6072


 92.2380, 0.3864,
0.4314

 0.0000, 0.0000,
0.0000

 118.9781, 0.3811,
0.4234


 150.4432, 0.3764,

0.4165


 187.0175, 0.3723,
0.4105


 15.9566, 0.4265,
0.4995


 15.9566, 0.4265,
0.4995


 15.9564, 0.4265,
0.4995

 16.0966, 0.4220,
0.4942

 16.2490, 0.4161,
0.4863

 16.4237, 0.4077,
0.4745

 16.6232, 0.3971,
0.4590

 16.8495, 0.3846,
0.4404

■ 17.1048, 0.3709,
0.4195

■ 17.3907, 0.3563,
0.3972

■ 17.7087, 0.3415,
0.3742

■ 18.0606, 0.3268,
0.3512

Harmonies

Analogous

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



15.9566, 0.4971, 0.4309



15.9566, 0.4265, 0.4995



15.9566, 0.3331, 0.5277

Triad

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



15.9566, 0.4265, 0.4995



15.9566, 0.1427, 0.2451



15.9566, 0.3673, 0.2318

Complementary

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



15.9566, 0.4265, 0.4995



1.4422, 0.1513, 0.0644

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.



15.9566, 0.2618, 0.1922



15.9566, 0.4265, 0.4995



15.9566, 0.1488, 0.1926

Square

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



15.9566, 0.4265, 0.4995



15.9566, 0.1715, 0.3450



15.9566, 0.1874, 0.1778



15.9566, 0.4699, 0.2902

Rectangle

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



15.9566, 0.4265, 0.4995



15.9566, 0.2691, 0.4977



15.9566, 0.1874, 0.1778



15.9566, 0.3300, 0.2160

Sweetspot

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



15.9574, 0.4265, 0.4995



31.1019, 0.3575, 0.3991



3.9363, 0.6311, 0.3251



7.3283, 0.3626, 0.4068



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



15.9574, 0.4265, 0.4995



28.5266, 0.4267, 0.4994



14.3322, 0.3462, 0.5633



4.2412, 0.3255, 0.3491



16.9518, 0.4265, 0.4995



82.2852, 0.4270, 0.4992

Inverse Universe

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



1.4422, 0.1513, 0.0644



2.5267, 0.1509, 0.0632



2.1064, 0.1968, 0.0858



3.6122, 0.2995, 0.3080



1.5265, 0.1512, 0.0642



7.1234, 0.1505, 0.0618

Previews

White Background



This preview shows how the Yxy color 15.9566, 0.4265, 0.4995 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 Yxy color 15.9566, 0.4265, 0.4995 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

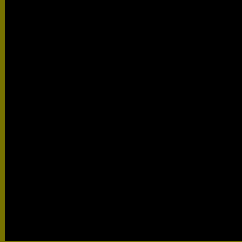
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 15.9566, 0.4265, 0.4995

Background



This preview shows how black text looks on a background with the Yxy color 15.9566, 0.4265, 0.4995.



This preview shows how white text looks on a background with the Yxy color 15.9566, 0.4265, 0.4995.

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

15.9566, 0.4265, 0.4995

Protanopia

16.0240, 0.4396, 0.4892

Deuteranopia

16.0082, 0.4642, 0.4578



Tritanopia

15.9586, 0.3302, 0.3137

Trichromacy



Original Color

15.9566, 0.4265, 0.4995

Protanomaly

16.0212, 0.4338, 0.4938

Deuteranomaly

15.9457, 0.4508, 0.4731

Tritanomaly

15.6293, 0.3804, 0.4007

Monochromacy



Original Color

15.9566, 0.4265, 0.4995

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.1599, 0.3698, 0.4173

CSS Examples

Text

The CSS property to change the color of the text to Yxy 15.9566, 0.4265, 0.4995 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(119, 114, 0)` looks like.

```
.text, #text, p{  
    color:rgb(119, 114, 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(119, 114, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(119, 114, 0) }
```

Border

The CSS property to change the border of an element to Yxy 15.9566, 0.4265, 0.4995 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(119, 114, 0) }
```

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

```
.border{ border-color:rgb(119, 114, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(119, 114, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(119, 114, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(119, 114, 0);  
box-shadow:4px 4px 4px 4px rgb(119, 114,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 15.9566, 0.4265, 0.4995 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(119, 114, 0) }
```

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

```
.background{ background-color: rgb(119,  
114, 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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