

Converting Colors

$Y_{xy}(16.0165, 0.3868, 0.6124)$

Have a look what the booklet for
Yxy(16.0165, 0.3868, 0.6124)
contains.

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Color

Yxy(16.1646, 0.3615, 0.5512)

Conversions

Conversions Part 1

Format	Color
Hex	517C00
RGB	81, 124, 0
RGB Percent	32%, 49%, 0%
CMY	0.6823, 0.5137, 1.0000
CMYK	0.35, 0.00, 1.00, 0.51
HSL	81°, 100%, 24%
HSV	81°, 100%, 49%
XYZ	10.6014, 16.1646, 2.5602
YIQ	97.0070, 14.1760, -47.6800

Conversions

Conversions Part 2

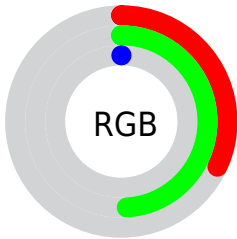
Format	Color
RYB	0, 124, 43
Decimal	5340160
CIELab	47.19, -31.69, 51.65
CIELCh	47, 60.596, 121.528
Yxy	16.1646, 0.3615, 0.5512
Android (android.graphics.Color)	4283530240 (0xFF517C00)
YUV	97.0070, -47.8245, -14.0381
Hunter-Lab	40.2052, -23.2918, 24.3682

Details

The Yxy color **16.1646, 0.3615, 0.5512** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **1.9687, 0.1796, 0.0763**, and the grayscale version is **12.0740, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.9653, 0.3591, 0.4983**, and **5.2790, 0.3279, 0.5779** is the 20% darker color. If you saturate the color by 10%, you get **16.1654, 0.3615, 0.5512**, and if you desaturate by 10%, it is **16.3889, 0.3637, 0.5394**.

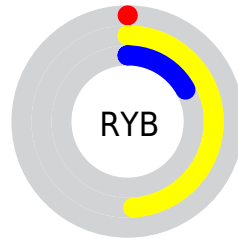
Distribution



Red (32%)

Green (49%)

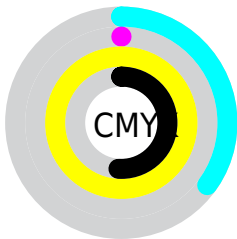
Blue (0%)



Red (0%)

Yellow (49%)

Blue (17%)

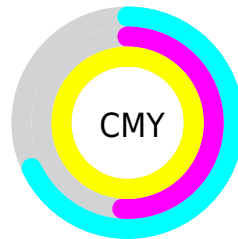


Cyan (35%)

Magenta (0%)

Yellow (100%)

Black (51%)



Cyan (68%)


Magenta (51%)

Yellow (100%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 16.1646, 0.3615, 0.5512 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 16.1646, 0.3615, 0.5512 by changing the saturation by 10% instead.


 16.1646, 0.3615,
0.5512


 16.1646, 0.3615,
0.5512


 230.3110, 0.3436,
0.4190


 9.6407, 0.3581,
0.5887


 36.8837, 0.3591,
0.4987


 5.1614, 0.3519,
0.6481

 51.8477, 0.3566,
0.4801


 2.3423, 0.3096,
0.6904

 70.3939, 0.3541,
0.4650

 0.7959, 0.0000,
1.0000

 92.9066, 0.3516,
0.4525


 0.0000, 0.0000,
0.0000


 119.7703, 0.3493,
0.4420


 151.3694, 0.3472,


0.4332


 188.0881, 0.3453,
0.4255


 16.1646, 0.3615,
0.5512

 16.1646, 0.3615,
0.5512

 16.1654, 0.3615,
0.5512

 16.3889, 0.3637,
0.5394

 16.6390, 0.3645,
0.5247

 16.9252, 0.3631,
0.5057

 17.2506, 0.3594,
0.4831

 17.6178, 0.3539,
0.4579

■ 18.0292, 0.3469,
0.4314

■ 18.4867, 0.3389,
0.4045

■ 18.9926, 0.3303,
0.3781

■ 19.5484, 0.3215,
0.3528

Harmonies

Analogous

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



16.1646, 0.4602, 0.4929



16.1646, 0.3615, 0.5512



16.1646, 0.2568, 0.5190

Triad

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



16.1646, 0.3615, 0.5512



16.1646, 0.1288, 0.1896



16.1646, 0.4596, 0.2647

Complementary

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



16.1646, 0.3615, 0.5512



1.9687, 0.1796, 0.0763

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.



16.1646, 0.3363, 0.2071



16.1646, 0.3615, 0.5512



16.1646, 0.1594, 0.1648

Square

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



16.1646, 0.3615, 0.5512



16.1646, 0.1315, 0.2599



16.1646, 0.2276, 0.1721



16.1646, 0.5355, 0.3346

Rectangle

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



16.1646, 0.3615, 0.5512



16.1646, 0.1966, 0.4360



16.1646, 0.2276, 0.1721



16.1646, 0.4205, 0.2436

Sweetspot

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



16.1654, 0.3615, 0.5512



32.4715, 0.3395, 0.4064



5.8942, 0.5819, 0.3762



7.5797, 0.3424, 0.4158



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



16.1654, 0.3615, 0.5512



28.3679, 0.3602, 0.5522



14.5714, 0.3066, 0.5948



4.5677, 0.3207, 0.3505



16.4318, 0.3614, 0.5512



77.8950, 0.3585, 0.5535

Inverse Universe

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



1.9687, 0.1796, 0.0763



3.3930, 0.1774, 0.0751



4.3587, 0.2805, 0.1319



3.9549, 0.3043, 0.3073



1.9999, 0.1795, 0.0762



9.1085, 0.1746, 0.0736

Previews

White Background



This preview shows how the Yxy color 16.1646, 0.3615, 0.5512 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 16.1646, 0.3615, 0.5512 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

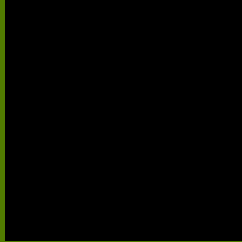
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.1646, 0.3615, 0.5512

Background



This preview shows how black text looks on a background with the Yxy color 16.1646, 0.3615, 0.5512.



This preview shows how white text looks on a background with the Yxy color 16.1646, 0.3615, 0.5512.

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

16.1646, 0.3615, 0.5512

Protanopia

16.0240, 0.4396, 0.4892

Deuteranopia

16.0367, 0.4600, 0.4525



Tritanopia

16.0964, 0.2772, 0.3101

Trichromacy



Original Color

16.1646, 0.3615, 0.5512

Protanomaly

15.8058, 0.4107, 0.5121

Deuteranomaly

15.7667, 0.4231, 0.4905

Tritanomaly

15.6452, 0.3208, 0.4179

Monochromacy



Original Color

16.1646, 0.3615, 0.5512

Achromatopsia

11.9538, 0.3127, 0.3290

Achromatomaly

13.0873, 0.3473, 0.4353

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.1646, 0.3615, 0.5512 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(81, 124, 0)` looks like.

```
.text, #text, p{  
    color:rgb(81, 124, 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(81, 124, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(81, 124, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.1646, 0.3615, 0.5512 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(81, 124, 0) }
```

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

```
.border{ border-color:rgb(81, 124, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(81, 124, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(81, 124, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(81, 124, 0);  
box-shadow:4px 4px 4px 4px rgb(81, 124, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.1646, 0.3615, 0.5512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(81, 124, 0) }
```

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

```
.background{ background-color: rgb(81, 124,  
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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