

Converting Colors

$Y_{xy}(14.8912, 0.3486, 0.5694)$

Have a look what the booklet for
Yxy(14.8912, 0.3486, 0.5694)
contains.

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Color

Yxy(14.8680, 0.3466, 0.5630)

Conversions

Conversions Part 1

Format	Color
Hex	437900
RGB	67, 121, 0
RGB Percent	26%, 47%, 0%
CMY	0.7372, 0.5255, 1.0000
CMYK	0.45, 0.00, 1.00, 0.53
HSL	87°, 100%, 24%
HSV	87°, 100%, 47%
XYZ	9.1532, 14.8680, 2.3873
YIQ	91.0600, 6.6570, -49.0790

Conversions

Conversions Part 2

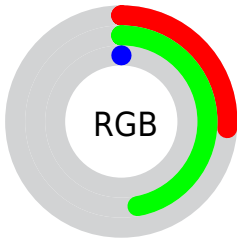
Format	Color
RYB	0, 121, 54
Decimal	4421888
CIELab	45.45, -35.70, 49.98
CIELCh	45, 61.417, 125.540
Yxy	14.8680, 0.3466, 0.5630
Android (android.graphics.Color)	4282611968 (0xFF437900)
YUV	91.0600, -44.8926, -21.1006
Hunter-Lab	38.5590, -25.1058, 23.3205

Details

The Yxy color **14.8680, 0.3466, 0.5630** is a dark color, and the websafe version is hex **336600**. A complement of this color would be **2.1644, 0.1959, 0.0853**, and the grayscale version is **10.5808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **34.6959, 0.3479, 0.5046**, and **4.6734, 0.3051, 0.5960** is the 20% darker color. If you saturate the color by 10%, you get **14.8685, 0.3466, 0.5630**, and if you desaturate by 10%, it is **15.0953, 0.3499, 0.5497**.

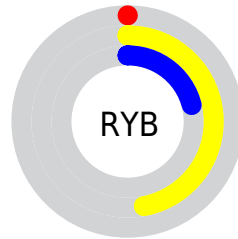
Distribution



Red (26%)

Green (47%)

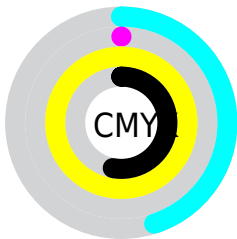
Blue (0%)



Red (0%)

Yellow (47%)

Blue (21%)

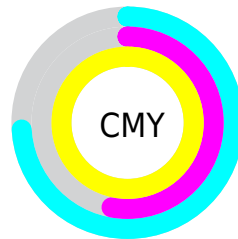


Cyan (45%)

Magenta (0%)

Yellow (100%)

Black (53%)



Cyan (74%)


Magenta (53%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 14.8680, 0.3466, 0.5630 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 14.8680, 0.3466, 0.5630 by changing the saturation by 10% instead.


 14.8680, 0.3466,
0.5630


 14.8680, 0.3466,
0.5630


222.5659, 0.3376,
0.4204


 8.7268, 0.3401,
0.6058


 34.6214, 0.3480,
0.5050


 4.5634, 0.3275,
0.6725

 49.0025, 0.3467,
0.4850


 1.9935, 0.2746,
0.7254

 66.8989, 0.3451,
0.4688

 0.6037, 0.0000,
1.0000


 88.6951, 0.3435,
0.4556


 0.0000, 0.0000,
0.0000

 114.7756, 0.3418,
0.4445


 145.5245, 0.3403,


0.4352


 181.3265, 0.3389,
0.4273

 14.8680, 0.3466,
0.5630


 14.8680, 0.3466,
0.5630

 14.8685, 0.3466,
0.5630

 15.0953, 0.3499,
0.5497

 15.3534, 0.3519,
0.5333

 15.6527, 0.3518,
0.5124

 15.9961, 0.3496,
0.4880

 16.3865, 0.3457,
0.4612

■ 16.8262, 0.3404,
0.4333

■ 17.3174, 0.3341,
0.4055

■ 17.8622, 0.3272,
0.3784

■ 18.4626, 0.3200,
0.3528

Harmonies

Analogous

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



14.8680, 0.4507, 0.5075



14.8680, 0.3466, 0.5630



14.8680, 0.2400, 0.5142

Triad

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



14.8680, 0.3466, 0.5630



14.8680, 0.1257, 0.1791



14.8680, 0.4805, 0.2711

Complementary

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



14.8680, 0.3466, 0.5630



2.1644, 0.1959, 0.0853

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.



14.8680, 0.3544, 0.2099



14.8680, 0.3466, 0.5630



14.8680, 0.1616, 0.1591

Square

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



14.8680, 0.3466, 0.5630



14.8680, 0.1235, 0.2433



14.8680, 0.2370, 0.1707



14.8680, 0.5479, 0.3432

Rectangle

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



14.8680, 0.3466, 0.5630



14.8680, 0.1815, 0.4202



14.8680, 0.2370, 0.1707



14.8680, 0.4416, 0.2490

Sweetspot

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



14.8686, 0.3466, 0.5630



30.9416, 0.3346, 0.4076



6.5600, 0.5542, 0.3981



7.0052, 0.3368, 0.4169



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.



14.8686, 0.3466, 0.5630



26.5416, 0.3450, 0.5643



13.7267, 0.3023, 0.5981



4.5492, 0.3193, 0.3506



15.9274, 0.3464, 0.5632



75.4642, 0.3430, 0.5659

Inverse Universe

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



2.1644, 0.1959, 0.0853



3.7940, 0.1934, 0.0839



4.8869, 0.3049, 0.1453



3.9729, 0.3057, 0.3074



2.3127, 0.1956, 0.0851



10.5426, 0.1904, 0.0823

Previews

White Background



This preview shows how the Yxy color 14.8680, 0.3466, 0.5630 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 14.8680, 0.3466, 0.5630 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

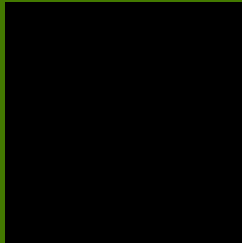
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 14.8680, 0.3466, 0.5630

Background



This preview shows how black text looks on a background with the Yxy color 14.8680, 0.3466, 0.5630.



This preview shows how white text looks on a background with the Yxy color 14.8680, 0.3466, 0.5630.

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

14.8680, 0.3466, 0.5630

Protanopia

14.7901, 0.4387, 0.4898

Deuteranopia

14.7196, 0.4580, 0.4523



Tritanopia

14.7627, 0.2665, 0.3091

Trichromacy



Original Color

14.8680, 0.3466, 0.5630

Protanomaly

14.5770, 0.4016, 0.5193

Deuteranomaly

14.2868, 0.4154, 0.4952

Tritanomaly

14.3751, 0.3084, 0.4210

Monochromacy



Original Color

14.8680, 0.3466, 0.5630

Achromatopsia

10.4616, 0.3127, 0.3290

Achromatomaly

11.6021, 0.3412, 0.4401

CSS Examples

Text

The CSS property to change the color of the text to Yxy 14.8680, 0.3466, 0.5630 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(67, 121, 0)` looks like.

```
.text, #text, p{  
    color:rgb(67, 121, 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(67, 121, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 121, 0) }
```

Border

The CSS property to change the border of an element to Yxy 14.8680, 0.3466, 0.5630 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(67, 121, 0) }
```

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

```
.border{ border-color:rgb(67, 121, 0) }
```

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

Here you see how a box with a 4 pixel rgb(67, 121, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 121, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 121, 0);  
box-shadow:4px 4px 4px 4px rgb(67, 121, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 14.8680, 0.3466, 0.5630 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 121, 0) }
```

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

```
.background{ background-color: rgb(67, 121,  
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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