

Converting Colors

$Yxy(16.6274, 0.3005, 0.5873)$

Have a look what the booklet for
Yxy(16.6274, 0.3005, 0.5873)
contains.

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Color

Yxy(16.6276, 0.3006, 0.5872)

Conversions

Conversions Part 1

Format	Color
Hex	0E840E
RGB	14, 132, 14
RGB Percent	5%, 52%, 5%
CMY	0.9450, 0.4823, 0.9450
CMYK	0.89, 0.00, 0.89, 0.48
HSL	120°, 81%, 29%
HSV	120°, 89%, 52%
XYZ	8.5120, 16.6276, 3.1771
YIQ	83.2660, -32.4500, -61.7140

Conversions

Conversions Part 2

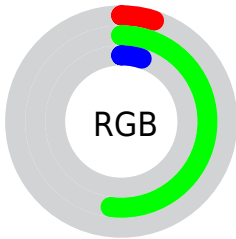
Format	Color
R_{YB}	14, 132, 132
Decimal	951310
CIE _{Lab}	47.79, -51.24, 48.41
CIE _{LCh}	48, 70.492, 136.632
Yxy	16.6276, 0.3006, 0.5872
Android (android.graphics.Color)	4279141390 (0xFF0E840E)
YUV	83.2660, -34.1481, -60.7463
Hunter-Lab	40.7770, -34.0985, 23.9243

Details

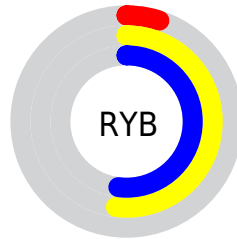
The Yxy color **16.6276, 0.3006, 0.5872** is a dark color, and the websafe version is hex **339933**. A complement of this color would be **6.8861, 0.3207, 0.1596**, and the grayscale version is **8.7857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.5512, 0.3125, 0.5208**, and **5.8849, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **16.5101, 0.3000, 0.5992**, and if you desaturate by 10%, it is **16.8192, 0.3014, 0.5690**.

Distribution



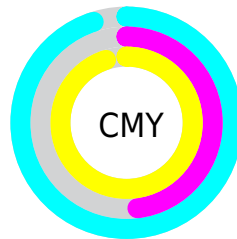
- Red (5%)
- Green (52%)
- Blue (5%)



- Red (5%)
- Yellow (52%)
- Blue (52%)



- Cyan (89%)
- Magenta (0%)
- Yellow (89%)
- Black (48%)




- Cyan (95%)
- Magenta (48%)
- Yellow (95%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.6276, 0.3006, 0.5872 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 16.6276, 0.3006, 0.5872 by changing the saturation by 10% instead.


 16.6276, 0.3006,
0.5872


 16.6276, 0.3006,
0.5872


233.0171, 0.3189,
0.4271


 9.9693, 0.2865,
0.6377


 37.6844, 0.3127,
0.5207


 5.3786, 0.2687,
0.7313

 52.8517, 0.3153,
0.4982

 2.4711, 0.2008,
0.7992


 71.6241, 0.3168,
0.4802

 0.8621, 0.0000,
1.0000


 94.3861, 0.3178,
0.4656

 0.0000, 0.0000,
0.0000

 121.5220, 0.3183,
0.4534


 153.4162, 0.3187,


0.4432


 190.4531, 0.3188,
0.4346


 16.6276, 0.3006,
0.5872


 16.6276, 0.3006,
0.5872


 16.5101, 0.3000,
0.5992

 16.8192, 0.3014,
0.5690

 16.5030, 0.3000,
0.6000

 17.1187, 0.3026,
0.5435

 17.5397, 0.3041,
0.5124

 18.0932, 0.3057,
0.4784

 18.7890, 0.3073,
0.4438

■ 19.6361, 0.3089,
0.4105

■ 20.6426, 0.3103,
0.3797

■ 21.8161, 0.3116,
0.3520

■ 23.1637, 0.3128,
0.3276

Harmonies

Analogous

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



16.6276, 0.4158, 0.5498



16.6276, 0.3006, 0.5872



16.6276, 0.1937, 0.4820

Triad

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



16.6276, 0.3006, 0.5872



16.6276, 0.1227, 0.1550



16.6276, 0.5356, 0.2916

Complementary

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



16.6276, 0.3006, 0.5872



6.8861, 0.3207, 0.1596

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.



16.6276, 0.4118, 0.2221



16.6276, 0.3006, 0.5872



16.6276, 0.1740, 0.1480

Square

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



16.6276, 0.3006, 0.5872



16.6276, 0.1071, 0.2015



16.6276, 0.2718, 0.1713



16.6276, 0.5701, 0.3687

Rectangle

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



16.6276, 0.3006, 0.5872



16.6276, 0.1435, 0.3646



16.6276, 0.2718, 0.1713



16.6276, 0.5017, 0.2673

Sweetspot

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



16.6283, 0.3006, 0.5872



34.8818, 0.3092, 0.4049



21.4404, 0.4160, 0.4998



8.0117, 0.3087, 0.4141



67.3860, 0.3127, 0.3290



9.4630, 0.3127, 0.3290

Same Dimension

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



16.6283, 0.3006, 0.5872



29.0692, 0.3000, 0.6000



17.0777, 0.2691, 0.4769



5.2048, 0.3117, 0.3514



15.9786, 0.3000, 0.6000



0.0554, 0.3000, 0.6000

Inverse Universe

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



6.8861, 0.3207, 0.1596



11.5751, 0.3209, 0.1542



5.7015, 0.4646, 0.2435



4.7628, 0.3137, 0.3076



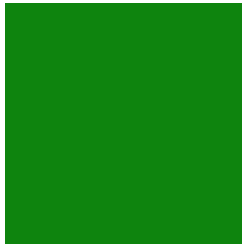
6.3626, 0.3209, 0.1542



0.0220, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 16.6276, 0.3006, 0.5872 looks on a white background.

Color Contrast Check

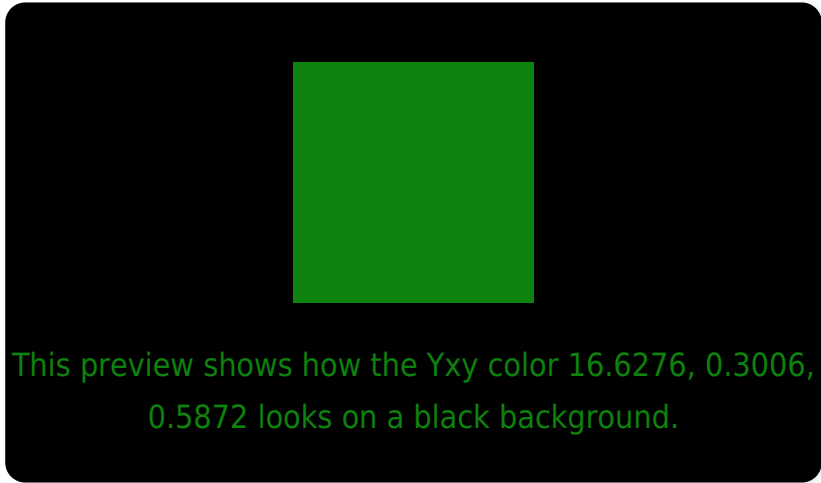
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.6276, 0.3006, 0.5872

Background



This preview shows how black text looks on a background with the Yxy color 16.6276, 0.3006, 0.5872.



This preview shows how white text looks on a background with the Yxy color 16.6276, 0.3006, 0.5872.

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

16.6276, 0.3006, 0.5872

Protanopia

16.3332, 0.4378, 0.4870

Deuteranopia

16.3651, 0.4552, 0.4471



Tritanopia

16.7001, 0.2381, 0.3071

Trichromacy



Original Color

16.6276, 0.3006, 0.5872



Protanomaly

15.4289, 0.3696, 0.5380



Deuteranomaly

14.9939, 0.3794, 0.5107



Tritanomaly

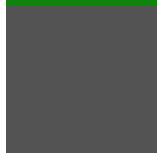
16.1313, 0.2648, 0.4179

Monochromacy



Original Color

16.6276, 0.3006, 0.5872



Achromatopsia

8.6500, 0.3127, 0.3290



Achromatomaly

10.5124, 0.3070, 0.4506

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.6276, 0.3006, 0.5872 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(14, 132, 14)` looks like.

```
.text, #text, p{  
    color:rgb(14, 132, 14)  
}
```

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(14, 132, 14) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(14, 132, 14) }
```

Border

The CSS property to change the border of an element to Yxy 16.6276, 0.3006, 0.5872 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(14, 132, 14) }
```

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

```
.border{ border-color:rgb(14, 132, 14) }
```

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

Here you see how a box with a 4 pixel `rgb(14, 132, 14)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(14, 132, 14); -webkit-box-  
shadow:4px 4px 4px 4px rgb(14, 132, 14);  
box-shadow:4px 4px 4px 4px rgb(14, 132,  
14) }
```


Background

The CSS property to change the background color of an element to Yxy 16.6276, 0.3006, 0.5872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(14, 132, 14) }
```

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

```
.background{ background-color: rgb(14, 132,  
14) }
```

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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