

Converting Colors

$Yxy(16.0878, 0.3042, 0.5967)$

Have a look what the booklet for
Yxy(16.0878, 0.3042, 0.5967)
contains.

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Color

Yxy(16.0754, 0.3042, 0.5967)

Conversions

Conversions Part 1

Format	Color
Hex	108200
RGB	16, 130, 0
RGB Percent	6%, 51%, 0%
CMY	0.9375, 0.4902, 1.0000
CMYK	0.88, 0.00, 1.00, 0.49
HSL	113°, 100%, 25%
HSV	113°, 100%, 51%
XYZ	8.1953, 16.0754, 2.6698
YIQ	81.0940, -26.2140, -64.5980

Conversions

Conversions Part 2

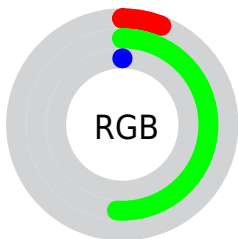
Format	Color
RYB	0, 130, 114
Decimal	1081856
CIELab	47.07, -50.98, 50.64
CIELCh	47, 71.856, 135.188
Yxy	16.0754, 0.3042, 0.5967
Android (android.graphics.Color)	4279271936 (0xFF108200)
YUV	81.0940, -39.9793, -57.0874
Hunter-Lab	40.0941, -33.6791, 24.1179

Details

The Yxy color **16.0754, 0.3042, 0.5967** is a dark color, and the websafe version is hex **339900**. A complement of this color would be **5.1940, 0.2911, 0.1377**, and the grayscale version is **8.3290, 0.3127, 0.3290**.

A 20% lighter version of the original color is **36.6774, 0.3167, 0.5282**, and **5.5920, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **16.0761, 0.3042, 0.5967**, and if you desaturate by 10%, it is **16.2333, 0.3062, 0.5836**.

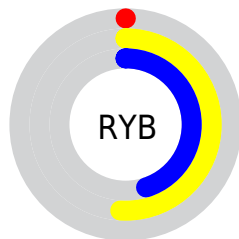
Distribution



Red (6%)

Green (51%)

Blue (0%)



Red (0%)

Yellow (51%)

Blue (45%)

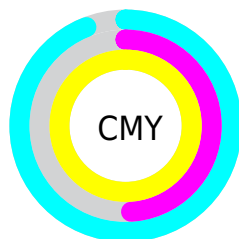


Cyan (88%)

Magenta (0%)

Yellow (100%)

Black (49%)



Cyan (94%)


Magenta (49%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.0754, 0.3042, 0.5967 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 16.0754, 0.3042, 0.5967 by changing the saturation by 10% instead.


 16.0754, 0.3042,
0.5967


 16.0754, 0.3042,
0.5967


229.7862, 0.3217,
0.4308


 9.5775, 0.2891,
0.6481


 36.7291, 0.3166,
0.5281


 5.1198, 0.2662,
0.7338

 51.6536, 0.3191,
0.5047


 2.3177, 0.1924,
0.8076

 70.1559, 0.3205,
0.4860

 0.7831, 0.0000,
1.0000


 92.6202, 0.3213,
0.4708

 0.0000, 0.0000,
0.0000

 119.4310, 0.3216,
0.4582


 150.9727, 0.3218,


0.4476


 187.6296, 0.3218,
0.4386


 16.0754, 0.3042,
0.5967


 16.0754, 0.3042,
0.5967


 16.0761, 0.3042,
0.5967

 16.2333, 0.3062,
0.5836

 16.4676, 0.3087,
0.5650

 16.7951, 0.3108,
0.5397

 17.2246, 0.3125,
0.5095

 17.7635, 0.3135,
0.4767

■ 18.4189, 0.3141,
0.4434

■ 19.1970, 0.3142,
0.4111

■ 20.1037, 0.3139,
0.3809

■ 21.1446, 0.3134,
0.3535

Harmonies

Analogous

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



16.0754, 0.4216, 0.5501



16.0754, 0.3042, 0.5967



16.0754, 0.1944, 0.4957

Triad

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



16.0754, 0.3042, 0.5967



16.0754, 0.1174, 0.1524



16.0754, 0.5377, 0.2861

Complementary

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



16.0754, 0.3042, 0.5967



5.1940, 0.2911, 0.1377

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.



16.0754, 0.4071, 0.2164



16.0754, 0.3042, 0.5967



16.0754, 0.1673, 0.1440

Square

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



16.0754, 0.3042, 0.5967



16.0754, 0.1032, 0.2015



16.0754, 0.2644, 0.1661



16.0754, 0.5770, 0.3636

Rectangle

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



16.0754, 0.3042, 0.5967



16.0754, 0.1421, 0.3737



16.0754, 0.2644, 0.1661



16.0754, 0.5014, 0.2617

Sweetspot

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



16.0761, 0.3042, 0.5967



33.7046, 0.3142, 0.4132



16.4832, 0.4441, 0.4856



7.5156, 0.3142, 0.4244



65.5931, 0.3127, 0.3290



8.8982, 0.3127, 0.3290

Same Dimension

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



16.0761, 0.3042, 0.5967



28.2716, 0.3034, 0.5973



16.1772, 0.2825, 0.5371



4.8421, 0.3134, 0.3511



15.4151, 0.3043, 0.5966



0.0000, 0.0000, 0.0000

Inverse Universe

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



5.1940, 0.2911, 0.1377



9.1037, 0.2904, 0.1373



5.3605, 0.4363, 0.2177



4.3865, 0.3119, 0.3076



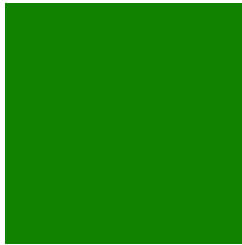
4.9818, 0.2911, 0.1377



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 16.0754, 0.3042, 0.5967 looks on a white background.

Color Contrast Check

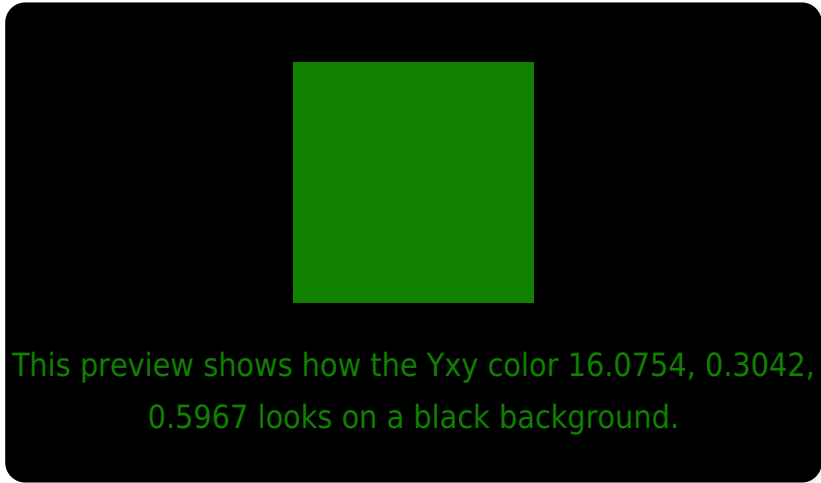
Large Text (above 18pt) WCAG AA ✓ Pass

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 16.0754, 0.3042, 0.5967

Background



This preview shows how black text looks on a background with the Yxy color 16.0754, 0.3042, 0.5967.



This preview shows how white text looks on a background with the Yxy color 16.0754, 0.3042, 0.5967.

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

16.0754, 0.3042, 0.5967

Protanopia

15.7289, 0.4397, 0.4891

Deuteranopia

15.7624, 0.4576, 0.4487



Tritanopia

16.1542, 0.2387, 0.3068

Trichromacy



Original Color

16.0754, 0.3042, 0.5967



Protanomaly

14.8882, 0.3725, 0.5424



Deuteranomaly

14.5112, 0.3852, 0.5153



Tritanomaly

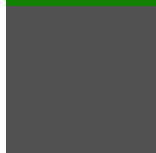
15.5113, 0.2700, 0.4325

Monochromacy



Original Color

16.0754, 0.3042, 0.5967



Achromatopsia

8.2283, 0.3127, 0.3290



Achromatomaly

10.0415, 0.3128, 0.4640

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.0754, 0.3042, 0.5967 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(16, 130, 0)` looks like.

```
.text, #text, p{  
    color:rgb(16, 130, 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(16, 130, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 130, 0) }
```

Border

The CSS property to change the border of an element to Yxy 16.0754, 0.3042, 0.5967 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(16, 130, 0) }
```

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

```
.border{ border-color:rgb(16, 130, 0) }
```

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

Here you see how a box with a 4 pixel rgb(16, 130, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 130, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 130, 0);  
box-shadow:4px 4px 4px 4px rgb(16, 130, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 16.0754, 0.3042, 0.5967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 130, 0) }
```

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

```
.background{ background-color: rgb(16, 130,  
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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