

Converting Colors

$Y_{xy}(18.5199, 0.3243, 0.5317)$

Have a look what the booklet for
Yxy(18.5199, 0.3243, 0.5317)
contains.

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Color

Yxy(18.3967, 0.3245, 0.5319)

Conversions

Conversions Part 1

Format	Color
Hex	438628
RGB	67, 134, 40
RGB Percent	26%, 53%, 16%
CMY	0.7372, 0.4745, 0.8431
CMYK	0.50, 0.00, 0.70, 0.47
HSL	103°, 54%, 34%
HSV	103°, 70%, 53%
XYZ	11.2234, 18.3967, 4.9667
YIQ	103.2510, -9.7580, -43.4380

Conversions

Conversions Part 2

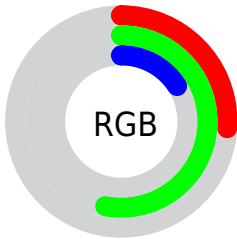
Format	Color
RYB	40, 134, 107
Decimal	4425256
CIELab	49.97, -39.07, 42.29
CIELCh	50, 57.573, 132.734
Yxy	18.3967, 0.3245, 0.5319
Android (android.graphics.Color)	4282615336 (0xFF438628)
YUV	103.2510, -31.1827, -31.7921
Hunter-Lab	42.8914, -28.3517, 23.1584

Details

The Yxy color **18.3967, 0.3245, 0.5319** is a dark color, and the websafe version is hex **669933**. A complement of this color would be **6.3641, 0.2734, 0.1564**, and the grayscale version is **13.7209, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7867, 0.3271, 0.4807**, and **6.1930, 0.3006, 0.5995** is the 20% darker color. If you saturate the color by 10%, you get **18.0114, 0.3222, 0.5562**, and if you desaturate by 10%, it is **18.8709, 0.3255, 0.5034**.

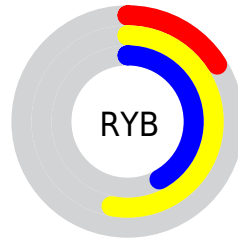
Distribution



Red (26%)

Green (53%)

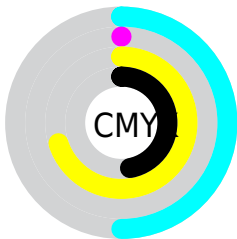
Blue (16%)



Red (16%)

Yellow (53%)

Blue (42%)

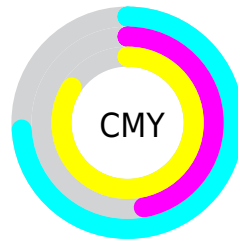


Cyan (50%)

Magenta (0%)

Yellow (70%)

Black (47%)



Cyan (74%)


Magenta (47%)

Yellow (84%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3967, 0.3245, 0.5319 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 18.3967, 0.3245, 0.5319 by changing the saturation by 10% instead.


 18.3967, 0.3245,
0.5319


 18.3967, 0.3245,
0.5319


243.0976, 0.3247,
0.4088


 11.2352, 0.3192,
0.5706


 40.7121, 0.3275,
0.4812


 6.2252, 0.3079,
0.6260

 56.6348, 0.3275,
0.4640

 2.9825, 0.2846,
0.7154

 76.2467, 0.3272,
0.4502

 1.1226, 0.0786,
0.9214

 99.9322, 0.3268,
0.4389

 0.0000, 0.0000,
0.0000

 128.0756, 0.3263,
0.4295

 161.0614, 0.3258,

0.4215

199.2739, 0.3252,
0.4147

■ 18.3967, 0.3245,
0.5319

■ 18.3967, 0.3245,
0.5319

■ 18.0114, 0.3222,
0.5562

■ 18.8709, 0.3255,
0.5034

■ 17.7064, 0.3185,
0.5747

■ 19.4371, 0.3252,
0.4724

■ 17.4723, 0.3146,
0.5884

■ 20.1012, 0.3239,
0.4408

■ 20.8676, 0.3217,
0.4099

■ 21.7407, 0.3190,
0.3807

■ 22.7246, 0.3160,
0.3538

■ 23.8230, 0.3128,
0.3293

■ 25.0397, 0.3095,
0.3075

■ 26.3780, 0.3063,
0.2880

Harmonies

Analogous

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



18.3967, 0.4207, 0.5076



18.3967, 0.3245, 0.5319



18.3967, 0.2302, 0.4615

Triad

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



18.3967, 0.3245, 0.5319



18.3967, 0.1477, 0.1872



18.3967, 0.4806, 0.2945

Complementary

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



18.3967, 0.3245, 0.5319



6.3641, 0.2734, 0.1564

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.



18.3967, 0.3781, 0.2341



18.3967, 0.3245, 0.5319



18.3967, 0.1897, 0.1751

Square

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



18.3967, 0.3245, 0.5319



18.3967, 0.1387, 0.2366



18.3967, 0.2685, 0.1920



18.3967, 0.5241, 0.3638

Rectangle

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



18.3967, 0.3245, 0.5319



18.3967, 0.1820, 0.3770



18.3967, 0.2685, 0.1920



18.3967, 0.4508, 0.2730

Sweetspot

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



18.3975, 0.3245, 0.5319



38.0912, 0.3194, 0.3844



15.4888, 0.4382, 0.4422



8.4990, 0.3201, 0.3911



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.



18.3975, 0.3245, 0.5319



31.4106, 0.3202, 0.5675



17.8154, 0.2909, 0.5088



5.2648, 0.3157, 0.3511



16.3788, 0.3148, 0.5882



0.0601, 0.3457, 0.5637

Inverse Universe

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



6.3641, 0.2734, 0.1564



8.7201, 0.2616, 0.1308



7.8285, 0.3549, 0.2028



4.6974, 0.3095, 0.3073



3.9236, 0.2513, 0.1158



0.0173, 0.2854, 0.1346

Previews

White Background



This preview shows how the Yxy color 18.3967, 0.3245, 0.5319 looks on a white 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

Black Background



This preview shows how the Yxy color 18.3967, 0.3245, 0.5319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

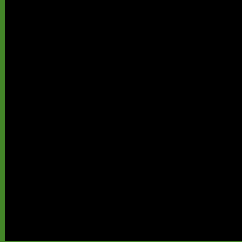
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3967, 0.3245, 0.5319

Background



This preview shows how black text looks on a background with the Yxy color 18.3967, 0.3245, 0.5319.



This preview shows how white text looks on a background with the Yxy color 18.3967, 0.3245, 0.5319.

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

18.3967, 0.3245, 0.5319

Protanopia

18.3076, 0.4229, 0.4667

Deuteranopia

18.0048, 0.4406, 0.4321



Tritanopia

18.3013, 0.2590, 0.3086

Trichromacy



Original Color

18.3967, 0.3245, 0.5319

Protanomaly

17.8001, 0.3836, 0.4930

Deuteranomaly

17.4740, 0.3939, 0.4695

Tritanomaly

17.9781, 0.2863, 0.3911

Monochromacy



Original Color

18.3967, 0.3245, 0.5319

Achromatopsia

13.5633, 0.3127, 0.3290

Achromatomaly

14.7875, 0.3218, 0.4074

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3967, 0.3245, 0.5319 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, 134, 40)` looks like.

```
.text, #text, p{  
    color:rgb(67, 134, 40)  
}
```

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, 134, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 134, 40) }
```

Border

The CSS property to change the border of an element to Yxy 18.3967, 0.3245, 0.5319 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, 134, 40) }
```

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

```
.border{ border-color:rgb(67, 134, 40) }
```

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

Here you see how a box with a 4 pixel rgb(67, 134, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 134, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 134, 40);  
box-shadow:4px 4px 4px 4px rgb(67, 134,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3967, 0.3245, 0.5319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 134, 40) }
```

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

```
.background{ background-color: rgb(67, 134,  
40) }
```

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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