

Converting Colors

$Y_{xy}(16.3703, 0.3060, 0.3594)$

Have a look what the booklet for
Yxy(16.3703, 0.3060, 0.3594)
contains.

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Color

Yxy(16.3545, 0.3063, 0.3589)

Conversions

Conversions Part 1

Format	Color
Hex	637567
RGB	99, 117, 103
RGB Percent	39%, 46%, 40%
CMY	0.6117, 0.5412, 0.5960
CMYK	0.15, 0.00, 0.12, 0.54
HSL	133°, 8%, 42%
HSV	133°, 15%, 46%
XYZ	13.9576, 16.3545, 15.2563
YIQ	110.0220, -6.2340, -8.1700

Conversions

Conversions Part 2

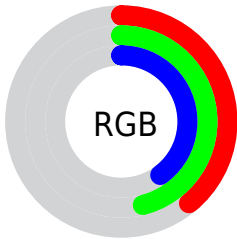
Format	Color
R _Y B	99, 114, 117
Decimal	6518119
CIE Lab	47.44, -9.64, 5.49
CIE LCh	47, 11.096, 150.321
Yxy	16.3545, 0.3063, 0.3589
Android (android.graphics.Color)	4284708199 (0xFF637567)
YUV	110.0220, -3.4618, -9.6663
Hunter-Lab	40.4407, -9.1642, 5.9413

Details

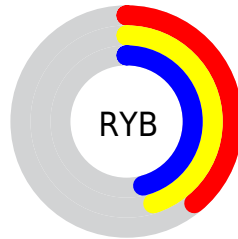
The Yxy color **16.3545, 0.3063, 0.3589** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **13.9026, 0.3198, 0.3008**, and the grayscale version is **15.6128, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.1931, 0.3080, 0.3515**, and **5.2718, 0.3028, 0.3748** is the 20% darker color. If you saturate the color by 10%, you get **15.5701, 0.3022, 0.3813**, and if you desaturate by 10%, it is **17.2557, 0.3105, 0.3388**.

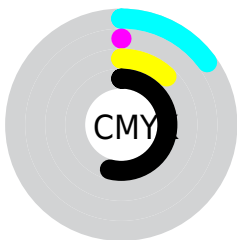
Distribution



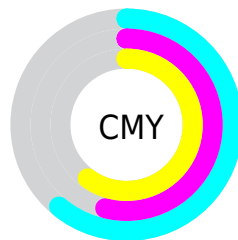
- Red (39%)
- Green (46%)
- Blue (40%)



- Red (39%)
- Yellow (45%)
- Blue (46%)



- Cyan (15%)
- Magenta (0%)
- Yellow (12%)
- Black (54%)



- Cyan (61%)
- Magenta (54%)
- Yellow (60%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 16.3545, 0.3063, 0.3589 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 16.3545, 0.3063, 0.3589 by changing the saturation by 10% instead.

■ 16.3545, 0.3063,
0.3589

■ 16.3545, 0.3063,
0.3589

■ 231.4246, 0.3102,
0.3411

■ 9.7754, 0.3050,
0.3648

■ 37.2125, 0.3079,
0.3515

■ 5.2503, 0.3029,
0.3735

■ 52.2602, 0.3085,
0.3490

■ 2.3948, 0.2995,
0.3878

■ 70.8996, 0.3089,
0.3471

■ 0.8232, 0.2906,
0.4373

■ 93.5149, 0.3093,
0.3454

■ 0.0000, 0.0000,
0.0000

■ 120.4907, 0.3096,
0.3441

■ 152.2113, 0.3098,

0.3429

189.0611, 0.3100,
0.3419

■ 16.3545, 0.3063,
0.3589

■ 16.3545, 0.3063,
0.3589

■ 15.5701, 0.3022,
0.3813

■ 17.2557, 0.3105,
0.3388

■ 14.8956, 0.2983,
0.4060

■ 18.2761, 0.3146,
0.3210

■ 14.3268, 0.2948,
0.4325

■ 19.4205, 0.3186,
0.3054

■ 13.8581, 0.2920,
0.4603

■ 20.6930, 0.3224,
0.2917

■ 13.4837, 0.2900,
0.4884

■ 22.0974, 0.3260,
0.2797

■ 13.1969, 0.2893,
0.5156

■ 23.6373, 0.3294,
0.2693

■ 12.9903, 0.2897,
0.5404

■ 25.3163, 0.3325,
0.2602

■ 12.8513, 0.2912,
0.5615

■ 27.1378, 0.3355,
0.2523

■ 12.7959, 0.2917,
0.5702

■ 29.1049, 0.3382,
0.2454

Harmonies

Analogous

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



16.3545, 0.3284, 0.3676



16.3545, 0.3063, 0.3589



16.3545, 0.2865, 0.3413

Triad

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



16.3545, 0.3063, 0.3589



16.3545, 0.2792, 0.2936



16.3545, 0.3532, 0.3351

Complementary

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



16.3545, 0.3063, 0.3589



13.9026, 0.3198, 0.3008

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.



16.3545, 0.3391, 0.3167



16.3545, 0.3063, 0.3589



16.3545, 0.2961, 0.2932

Square

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



16.3545, 0.3063, 0.3589



16.3545, 0.2712, 0.3033



16.3545, 0.3180, 0.3016



16.3545, 0.3559, 0.3528

Rectangle

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



16.3545, 0.3063, 0.3589



16.3545, 0.2770, 0.3274



16.3545, 0.3180, 0.3016



16.3545, 0.3496, 0.3288

Sweetspot

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



16.3552, 0.3063, 0.3589



30.9421, 0.3106, 0.3384



17.1404, 0.3293, 0.3656



7.0924, 0.3104, 0.3394



60.3827, 0.3127, 0.3290



7.3239, 0.3127, 0.3290

Same Dimension

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



16.3552, 0.3063, 0.3589



28.8314, 0.3050, 0.3656



16.5434, 0.2962, 0.3397



4.1103, 0.3089, 0.3459



14.0974, 0.2919, 0.5709



68.5893, 0.2941, 0.5787

Inverse Universe

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



13.9026, 0.3198, 0.3008



23.6594, 0.3215, 0.2950



13.7121, 0.3324, 0.3186



3.7447, 0.3167, 0.3126



4.9974, 0.3838, 0.1888



24.2208, 0.3879, 0.1910

Previews

White Background



This preview shows how the Yxy color 16.3545, 0.3063, 0.3589 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 16.3545, 0.3063, 0.3589 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

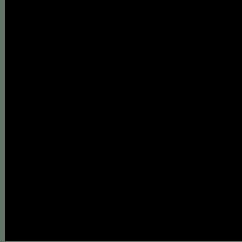
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.3545, 0.3063, 0.3589

Background



This preview shows how black text looks on a background with the Yxy color 16.3545, 0.3063, 0.3589.

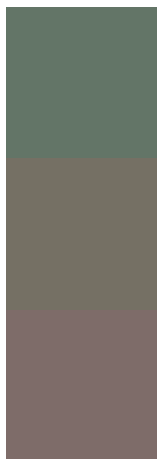


This preview shows how white text looks on a background with the Yxy color 16.3545, 0.3063, 0.3589.

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

16.3545, 0.3063, 0.3589

Protanopia

16.2903, 0.3347, 0.3533

Deuteranopia

16.1807, 0.3419, 0.3349



Tritanopia

16.2895, 0.2874, 0.3106

Trichromacy



Original Color

16.3545, 0.3063, 0.3589

Protanomaly

16.2892, 0.3233, 0.3560

Deuteranomaly

16.0814, 0.3284, 0.3432

Tritanomaly

16.2891, 0.2940, 0.3269

Monochromacy



Original Color

16.3545, 0.3063, 0.3589

Achromatopsia

15.5926, 0.3127, 0.3290

Achromatomaly

15.9360, 0.3108, 0.3415

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.3545, 0.3063, 0.3589 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 $rgb(99, 117, 103)$ looks like.

```
.text, #text, p{  
  color:rgb(99, 117, 103)  
}
```

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(99, 117, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(99, 117, 103) }
```

Border

The CSS property to change the border of an element to Yxy 16.3545, 0.3063, 0.3589 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(99, 117, 103) }
```

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

```
.border{ border-color:rgb(99, 117, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(99, 117, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(99, 117, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(99, 117, 103);  
box-shadow:4px 4px 4px 4px rgb(99, 117,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 16.3545, 0.3063, 0.3589 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(99, 117, 103) }
```

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

```
.background{ background-color: rgb(99, 117,  
103) }
```

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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