

Converting Colors

$Y_{xy}(18.3329, 0.3071, 0.3750)$

Have a look what the booklet for
Yxy(18.3329, 0.3071, 0.3750)
contains.

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Color

Yxy(18.3558, 0.3070, 0.3748)

Conversions

Conversions Part 1

Format	Color
Hex	647D67
RGB	100, 125, 103
RGB Percent	39%, 49%, 40%
CMY	0.6079, 0.5098, 0.5961
CMYK	0.20, 0.00, 0.18, 0.51
HSL	127°, 11%, 44%
HSV	127°, 20%, 49%
XYZ	15.0353, 18.3558, 15.5838
YIQ	115.0170, -7.8380, -12.1420

Conversions

Conversions Part 2

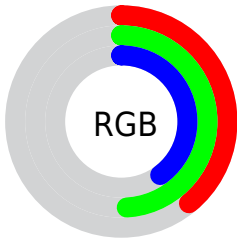
Format	Color
R_{YB}	100, 122, 125
Decimal	6585703
CIE _{Lab}	49.92, -13.75, 9.05
CIE _{LCh}	50, 16.456, 146.649
Yxy	18.3558, 0.3070, 0.3748
Android (android.graphics.Color)	4284775783 (0xFF647D67)
YUV	115.0170, -5.9244, -13.1699
Hunter-Lab	42.8437, -12.3347, 8.4246

Details

The Yxy color **18.3558, 0.3070, 0.3748** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **14.8745, 0.3190, 0.2871**, and the grayscale version is **17.1689, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7532, 0.3085, 0.3642**, and **6.2113, 0.3042, 0.3965** is the 20% darker color. If you saturate the color by 10%, you get **17.4915, 0.3041, 0.4017**, and if you desaturate by 10%, it is **19.3601, 0.3099, 0.3506**.

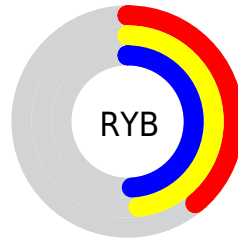
Distribution



Red (39%)

Green (49%)

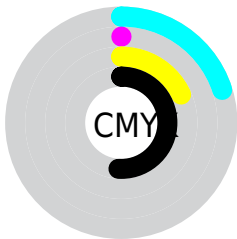
Blue (40%)



Red (39%)

Yellow (48%)

Blue (49%)

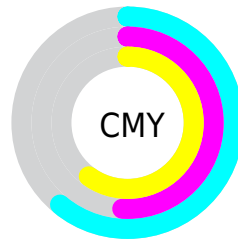


Cyan (20%)

Magenta (0%)

Yellow (18%)

Black (51%)



Cyan (61%)


Magenta (51%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3558, 0.3070, 0.3748 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 18.3558, 0.3070, 0.3748 by changing the saturation by 10% instead.


 18.3558, 0.3070,
0.3748


 18.3558, 0.3070,
0.3748


242.8689, 0.3106,
0.3477


 11.2057, 0.3057,
0.3836


 40.6427, 0.3086,
0.3637

 6.2054, 0.3036,
0.3964

 56.5483, 0.3091,
0.3599

 2.9704, 0.3000,
0.4172

 76.1412, 0.3095,
0.3569

 1.1163, 0.2967,
0.4673

 99.8058, 0.3098,
0.3544

 0.0000, 0.0000,
0.0000

127.9264, 0.3101,
0.3523

160.8876, 0.3103,

0.3505

199.0736, 0.3105,
0.3490

■ 18.3558, 0.3070,
0.3748

■ 18.3558, 0.3070,
0.3748

■ 17.4915, 0.3041,
0.4017

■ 19.3601, 0.3099,
0.3506

■ 16.7587, 0.3014,
0.4310

■ 20.5076, 0.3127,
0.3291

■ 16.1516, 0.2990,
0.4618

■ 21.8047, 0.3154,
0.3102

■ 15.6631, 0.2971,
0.4930

■ 23.2563, 0.3179,
0.2937

■ 15.2854, 0.2959,
0.5229

■ 24.8675, 0.3203,
0.2795

■ 15.0097, 0.2955,
0.5496

■ 26.6427, 0.3224,
0.2671

■ 14.8259, 0.2960,
0.5714

■ 28.5865, 0.3244,
0.2564

■ 14.7042, 0.2965,
0.5875

■ 30.7032, 0.3262,
0.2471

■ 32.9970, 0.3279,
0.2390

Harmonies

Analogous

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



18.3558, 0.3382, 0.3851



18.3558, 0.3070, 0.3748



18.3558, 0.2783, 0.3501

Triad

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



18.3558, 0.3070, 0.3748



18.3558, 0.2633, 0.2799



18.3558, 0.3691, 0.3338

Complementary

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



18.3558, 0.3070, 0.3748



14.8745, 0.3190, 0.2871

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.



18.3558, 0.3470, 0.3085



18.3558, 0.3070, 0.3748



18.3558, 0.2855, 0.2782

Square

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



18.3558, 0.3070, 0.3748



18.3558, 0.2540, 0.2945



18.3558, 0.3160, 0.2886



18.3558, 0.3751, 0.3592

Rectangle

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



18.3558, 0.3070, 0.3748



18.3558, 0.2642, 0.3299



18.3558, 0.3160, 0.2886



18.3558, 0.3633, 0.3250

Sweetspot

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



18.3566, 0.3070, 0.3748



35.4305, 0.3110, 0.3419



19.7329, 0.3377, 0.3771



8.0363, 0.3109, 0.3430



63.8283, 0.3127, 0.3290



8.3535, 0.3127, 0.3290

Same Dimension

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



18.3566, 0.3070, 0.3748



32.1320, 0.3057, 0.3867



18.6245, 0.2939, 0.3485



4.8266, 0.3102, 0.3485



15.3440, 0.2966, 0.5877



0.0000, 0.0000, 0.0000

Inverse Universe

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



14.8745, 0.3190, 0.2871



24.7153, 0.3206, 0.2774



14.5864, 0.3362, 0.3103



4.4037, 0.3154, 0.3103



5.7217, 0.3529, 0.1718



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.3558, 0.3070, 0.3748 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 18.3558, 0.3070, 0.3748 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

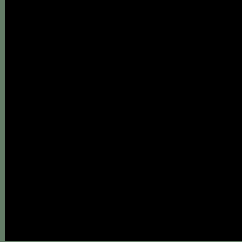
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3558, 0.3070, 0.3748

Background



This preview shows how black text looks on a background with the Yxy color 18.3558, 0.3070, 0.3748.



This preview shows how white text looks on a background with the Yxy color 18.3558, 0.3070, 0.3748.

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

18.3558, 0.3070, 0.3748

Protanopia

18.2369, 0.3438, 0.3637

Deuteranopia

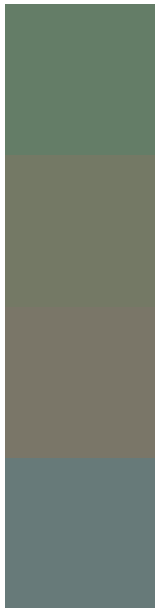
18.2054, 0.3524, 0.3457



Tritanopia

18.3167, 0.2831, 0.3094

Trichromacy



Original Color

18.3558, 0.3070, 0.3748

Protanomaly

18.3273, 0.3297, 0.3687

Deuteranomaly

18.0939, 0.3348, 0.3562

Tritanomaly

18.1831, 0.2913, 0.3309

Monochromacy



Original Color

18.3558, 0.3070, 0.3748

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

17.6563, 0.3107, 0.3451

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3558, 0.3070, 0.3748 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(100, 125, 103)` looks like.

```
.text, #text, p{  
    color:rgb(100, 125, 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(100, 125, 103) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(100, 125, 103) }
```

Border

The CSS property to change the border of an element to Yxy 18.3558, 0.3070, 0.3748 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(100, 125, 103) }
```

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

```
.border{ border-color:rgb(100, 125, 103) }
```

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

Here you see how a box with a 4 pixel `rgb(100, 125, 103)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(100, 125, 103); -webkit-box-  
shadow:4px 4px 4px 4px rgb(100, 125, 103);  
box-shadow:4px 4px 4px 4px rgb(100, 125,  
103) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3558, 0.3070, 0.3748 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(100, 125, 103) }
```

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

```
.background{ background-color: rgb(100,  
125, 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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