

Converting Colors

$Y_{xy}(18.0916, 0.3388, 0.3458)$

Have a look what the booklet for
Yxy(18.0916, 0.3388, 0.3458)
contains.

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Color

Yxy(18.0643, 0.3383, 0.3462)

Conversions

Conversions Part 1

Format	Color
Hex	7F746B
RGB	127, 116, 107
RGB Percent	50%, 45%, 42%
CMY	0.5019, 0.5451, 0.5804
CMYK	0.00, 0.09, 0.16, 0.50
HSL	27°, 9%, 46%
HSV	27°, 16%, 50%
XYZ	17.6521, 18.0643, 16.4624
YIQ	118.2630, 9.4450, -0.4670

Conversions

Conversions Part 2

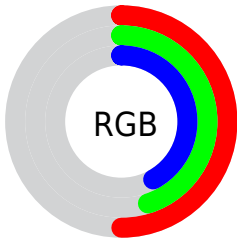
Format	Color
R_{YB}	127, 123, 107
Decimal	8352875
CIE _{Lab}	49.57, 2.62, 6.51
CIE _{LCh}	50, 7.020, 68.057
Yxy	18.0643, 0.3383, 0.3462
Android (android.graphics.Color)	4286542955 (0xFF7F746B)
YUV	118.2630, -5.5527, 7.6623
Hunter-Lab	42.5021, -0.2436, 6.7866

Details

The Yxy color **18.0643, 0.3383, 0.3462** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.6134, 0.2892, 0.3112**, and the grayscale version is **18.2194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1772, 0.3327, 0.3427**, and **6.0802, 0.3495, 0.3528** is the 20% darker color. If you saturate the color by 10%, you get **16.2672, 0.3576, 0.3578**, and if you desaturate by 10%, it is **20.0233, 0.3214, 0.3351**.

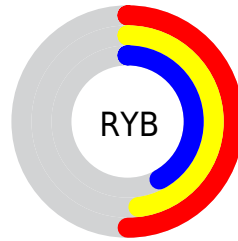
Distribution



Red (50%)

Green (45%)

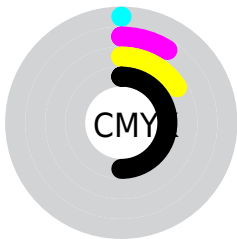
Blue (42%)



Red (50%)

Yellow (48%)

Blue (42%)

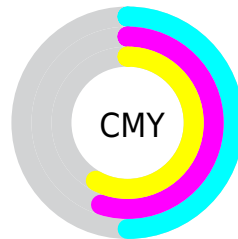


Cyan (0%)

Magenta (9%)

Yellow (16%)

Black (50%)



Cyan (50%)


Magenta (55%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0643, 0.3383, 0.3462 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 18.0643, 0.3383, 0.3462 by changing the saturation by 10% instead.


 18.0643, 0.3383,
0.3462


 18.0643, 0.3383,
0.3462


241.2332, 0.3235,
0.3363


 10.9962, 0.3429,
0.3492


 40.1469, 0.3323,
0.3423


 6.0643, 0.3496,
0.3535

 55.9301, 0.3302,
0.3409

 2.8842, 0.3601,
0.3600

 75.3871, 0.3286,
0.3398

 1.0716, 0.3817,
0.3742

 98.9023, 0.3272,
0.3389

 0.0000, 1.0000,
0.0000

126.8602, 0.3260,
0.3381

 0.0000, 0.0000,
0.0000

159.6450, 0.3250,

0.3374

197.6412, 0.3242,
0.3368

■ 18.0643, 0.3383,
0.3462

■ 18.0643, 0.3383,
0.3462

■ 16.2672, 0.3576,
0.3578

■ 20.0233, 0.3214,
0.3351

■ 14.6253, 0.3795,
0.3696

■ 22.1460, 0.3067,
0.3247

■ 13.1348, 0.4039,
0.3811

■ 24.4372, 0.2940,
0.3150

■ 11.7908, 0.4306,
0.3915

■ 26.9007, 0.2829,
0.3060

■ 10.5883, 0.4589,
0.4000

■ 29.5402, 0.2733,
0.2978

■ 9.5218, 0.4876,
0.4053

■ 32.3594, 0.2649,
0.2903

■ 8.5852, 0.5150,
0.4064

■ 35.3616, 0.2575,
0.2834

■ 7.7706, 0.5397,
0.4030

■ 38.5504, 0.2511,
0.2770

■ 7.4568, 0.5503,
0.4013

■ 41.9290, 0.2454,
0.2713

Harmonies

Analogous

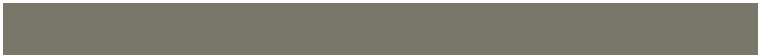
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.0643, 0.3385, 0.3360



18.0643, 0.3383, 0.3462



18.0643, 0.3311, 0.3520

Triad

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



18.0643, 0.3383, 0.3462



18.0643, 0.2941, 0.3334



18.0643, 0.3060, 0.3076

Complementary

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



18.0643, 0.3383, 0.3462



17.6134, 0.2892, 0.3112

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.



18.0643, 0.2944, 0.3065



18.0643, 0.3383, 0.3462



18.0643, 0.2876, 0.3211

Square

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



18.0643, 0.3383, 0.3462



18.0643, 0.3055, 0.3447



18.0643, 0.2877, 0.3113



18.0643, 0.3196, 0.3141

Rectangle

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



18.0643, 0.3383, 0.3462



18.0643, 0.3234, 0.3525



18.0643, 0.2877, 0.3113



18.0643, 0.3017, 0.3066

Sweetspot

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



18.0651, 0.3383, 0.3462



36.0876, 0.3204, 0.3344



16.3334, 0.3261, 0.3082



8.3983, 0.3213, 0.3350



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.



18.0651, 0.3383, 0.3462



31.1250, 0.3451, 0.3504



20.4981, 0.3355, 0.3645



4.6382, 0.3268, 0.3387



7.5164, 0.5503, 0.4012



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.6134, 0.2892, 0.3112



30.1514, 0.2836, 0.3066



15.3801, 0.2885, 0.2908



4.5729, 0.2993, 0.3191



5.9383, 0.1832, 0.1795



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.0643, 0.3383, 0.3462 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 18.0643, 0.3383, 0.3462 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

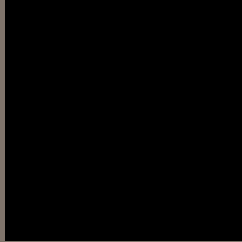
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0643, 0.3383, 0.3462

Background



This preview shows how black text looks on a background with the Yxy color 18.0643, 0.3383, 0.3462.

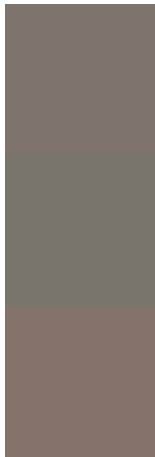


This preview shows how white text looks on a background with the Yxy color 18.0643, 0.3383, 0.3462.

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

18.0643, 0.3383, 0.3462

Protanopia

17.9429, 0.3301, 0.3465

Deuteranopia

18.0827, 0.3470, 0.3421



Tritanopia

18.1318, 0.3213, 0.3124

Trichromacy



Original Color

18.0643, 0.3383, 0.3462

Protanomaly

18.0904, 0.3327, 0.3463

Deuteranomaly

18.1483, 0.3440, 0.3440

Tritanomaly

18.1350, 0.3273, 0.3253

Monochromacy



Original Color

18.0643, 0.3383, 0.3462

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

18.0024, 0.3214, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0643, 0.3383, 0.3462 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(127, 116, 107)` looks like.

```
.text, #text, p{  
    color:rgb(127, 116, 107)  
}
```

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(127, 116, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 116, 107) }
```

Border

The CSS property to change the border of an element to Yxy 18.0643, 0.3383, 0.3462 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(127, 116, 107) }
```

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

```
.border{ border-color:rgb(127, 116, 107) }
```

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

Here you see how a box with a 4 pixel rgb(127, 116, 107) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 116, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 116, 107);  
box-shadow:4px 4px 4px 4px rgb(127, 116,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0643, 0.3383, 0.3462 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(127, 116, 107) }
```

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

```
.background{ background-color: rgb(127,  
116, 107) }
```

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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