

Converting Colors

$Y_{xy}(18.0783, 0.3420, 0.3511)$

Have a look what the booklet for
Yxy(18.0783, 0.3420, 0.3511)
contains.

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Color

Yxy(18.0227, 0.3408, 0.3500)

Conversions

Conversions Part 1

Format	Color
Hex	7F7469
RGB	127, 116, 105
RGB Percent	50%, 45%, 41%
CMY	0.5019, 0.5451, 0.5882
CMYK	0.00, 0.09, 0.17, 0.50
HSL	30°, 9%, 45%
HSV	30°, 17%, 50%
XYZ	17.5490, 18.0227, 15.9218
YIQ	118.0350, 10.0870, -1.0890

Conversions

Conversions Part 2

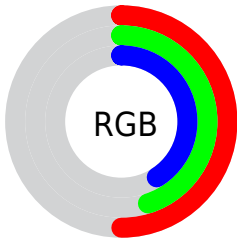
Format	Color
R_{YB}	127, 127, 105
Decimal	8352873
CIE _{Lab}	49.52, 2.28, 7.60
CIE _{LCh}	50, 7.940, 73.283
Yxy	18.0227, 0.3408, 0.3500
Android (android.graphics.Color)	4286542953 (0xFF7F7469)
YUV	118.0350, -6.4263, 7.8623
Hunter-Lab	42.4532, -0.5060, 7.4809

Details

The Yxy color **18.0227, 0.3408, 0.3500** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **17.0325, 0.2868, 0.3071**, and the grayscale version is **18.1473, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1089, 0.3345, 0.3455**, and **6.0594, 0.3536, 0.3588** is the 20% darker color. If you saturate the color by 10%, you get **16.3657, 0.3600, 0.3629**, and if you desaturate by 10%, it is **19.8206, 0.3238, 0.3376**.

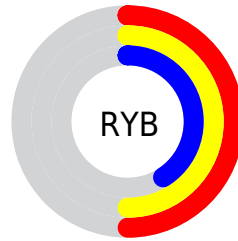
Distribution



Red (50%)

Green (45%)

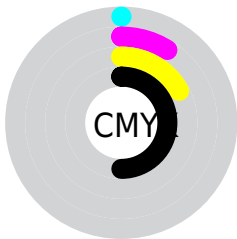
Blue (41%)



Red (50%)

Yellow (50%)

Blue (41%)

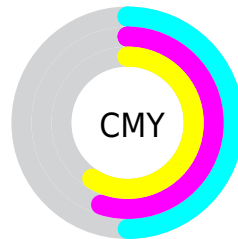


Cyan (0%)

Magenta (9%)

Yellow (17%)

Black (50%)



Cyan (50%)

Magenta (55%)

Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0227, 0.3408, 0.3500 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 18.0227, 0.3408, 0.3500 by changing the saturation by 10% instead.


 18.0227, 0.3408,
0.3500


 18.0227, 0.3408,
0.3500


240.9990, 0.3245,
0.3380


 10.9663, 0.3459,
0.3537


 40.0760, 0.3342,
0.3452


 6.0442, 0.3532,
0.3589

 55.8417, 0.3319,
0.3435

 2.8720, 0.3646,
0.3669

 75.2792, 0.3301,
0.3421

 1.0653, 0.3904,
0.3862

 98.7731, 0.3286,
0.3410

 0.0000, 1.0000,
0.0000

126.7075, 0.3273,
0.3401

 0.0000, 0.0000,
0.0000

159.4671, 0.3263,

0.3393

197.4361, 0.3253,
0.3386

■ 18.0227, 0.3408,
0.3500

■ 18.0227, 0.3408,
0.3500

■ 16.3657, 0.3600,
0.3629

■ 19.8206, 0.3238,
0.3376

■ 14.8435, 0.3815,
0.3758

■ 21.7607, 0.3089,
0.3259

■ 13.4530, 0.4051,
0.3884

■ 23.8470, 0.2958,
0.3150

■ 12.1901, 0.4305,
0.3997

■ 26.0828, 0.2844,
0.3049

■ 11.0503, 0.4569,
0.4089

■ 28.4714, 0.2744,
0.2957

■ 10.0289, 0.4832,
0.4147

■ 31.0158, 0.2657,
0.2871

■ 9.1208, 0.5079,
0.4161

■ 33.7189, 0.2580,
0.2793

■ 8.3172, 0.5301,
0.4132

■ 36.5837, 0.2512,
0.2722

■ 8.1164, 0.5363,
0.4124

■ 39.6128, 0.2452,
0.2656

Harmonies

Analogous

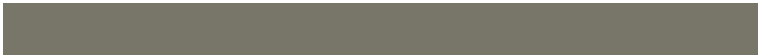
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



18.0227, 0.3425, 0.3391



18.0227, 0.3408, 0.3500



18.0227, 0.3314, 0.3556

Triad

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



18.0227, 0.3408, 0.3500



18.0227, 0.2899, 0.3315



18.0227, 0.3077, 0.3057

Complementary

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



18.0227, 0.3408, 0.3500



17.0325, 0.2868, 0.3071

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.



18.0227, 0.2939, 0.3033



18.0227, 0.3408, 0.3500



18.0227, 0.2838, 0.3177

Square

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



18.0227, 0.3408, 0.3500



18.0227, 0.3020, 0.3448



18.0227, 0.2853, 0.3076



18.0227, 0.3231, 0.3139

Rectangle

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



18.0227, 0.3408, 0.3500



18.0227, 0.3222, 0.3552



18.0227, 0.2853, 0.3076



18.0227, 0.3027, 0.3042

Sweetspot

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



18.0235, 0.3408, 0.3500



36.2308, 0.3204, 0.3350



15.8883, 0.3286, 0.3074



8.4356, 0.3213, 0.3357



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.



18.0235, 0.3408, 0.3500



31.0000, 0.3485, 0.3553



20.6192, 0.3376, 0.3694



4.6714, 0.3267, 0.3398



8.1817, 0.5364, 0.4123



0.0000, 0.0000, 0.0000

Inverse Universe

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



17.0325, 0.2868, 0.3071



28.8590, 0.2803, 0.3012



14.7173, 0.2858, 0.2852



4.5396, 0.2993, 0.3180



5.1915, 0.1787, 0.1631



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.0227, 0.3408, 0.3500 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 18.0227, 0.3408, 0.3500 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

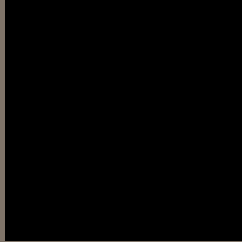
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.0227, 0.3408, 0.3500

Background



This preview shows how black text looks on a background with the Yxy color 18.0227, 0.3408, 0.3500.



This preview shows how white text looks on a background with the Yxy color 18.0227, 0.3408, 0.3500.

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

18.0227, 0.3408, 0.3500

Protanopia

17.9741, 0.3339, 0.3503

Deuteranopia

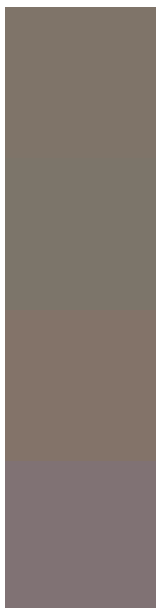
18.1229, 0.3510, 0.3458



Tritanopia

17.8825, 0.3227, 0.3124

Trichromacy



Original Color

18.0227, 0.3408, 0.3500

Protanomaly

18.0483, 0.3352, 0.3502

Deuteranomaly

18.1067, 0.3466, 0.3478

Tritanomaly

17.8848, 0.3287, 0.3253

Monochromacy



Original Color

18.0227, 0.3408, 0.3500

Achromatopsia

18.1164, 0.3127, 0.3290

Achromatomaly

17.9798, 0.3227, 0.3367

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0227, 0.3408, 0.3500 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, 105)` looks like.

```
.text, #text, p{  
    color:rgb(127, 116, 105)  
}
```

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, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(127, 116, 105) }
```

Border

The CSS property to change the border of an element to Yxy 18.0227, 0.3408, 0.3500 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, 105) }
```

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

```
.border{ border-color:rgb(127, 116, 105) }
```

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, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(127, 116, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(127, 116, 105);  
box-shadow:4px 4px 4px 4px rgb(127, 116,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0227, 0.3408, 0.3500 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, 105) }
```

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

```
.background{ background-color: rgb(127,  
116, 105) }
```

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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