

Converting Colors

$Y_{xy}(18.0127, 0.3483, 0.3434)$

Have a look what the booklet for
Yxy(18.0127, 0.3483, 0.3434)
contains.

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Color

Yxy(18.0618, 0.3483, 0.3440)

Conversions

Conversions Part 1

Format	Color
Hex	85726A
RGB	133, 114, 106
RGB Percent	52%, 45%, 42%
CMY	0.4786, 0.5529, 0.5843
CMYK	0.00, 0.14, 0.20, 0.48
HSL	18°, 11%, 47%
HSV	18°, 20%, 52%
XYZ	18.2876, 18.0618, 16.1559
YIQ	118.7690, 13.8920, 1.5400

Conversions

Conversions Part 2

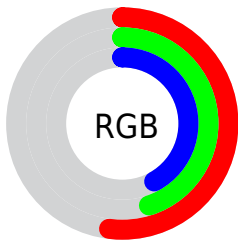
Format	Color
R_{YB}	133, 117, 106
Decimal	8745578
CIE _{Lab}	49.57, 6.02, 7.17
CIE _{LCh}	50, 9.363, 49.994
Yxy	18.0618, 0.3483, 0.3440
Android (android.graphics.Color)	4286935658 (0xFF85726A)
YUV	118.7690, -6.2951, 12.4806
Hunter-Lab	42.4992, 2.4357, 7.2106

Details

The Yxy color **18.0618, 0.3483, 0.3440** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **19.4096, 0.2827, 0.3135**, and the grayscale version is **18.3873, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.1459, 0.3397, 0.3412**, and **6.0512, 0.3638, 0.3492** is the 20% darker color. If you saturate the color by 10%, you get **15.8057, 0.3707, 0.3519**, and if you desaturate by 10%, it is **20.5777, 0.3293, 0.3364**.

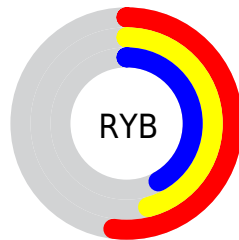
Distribution



Red (52%)

Green (45%)

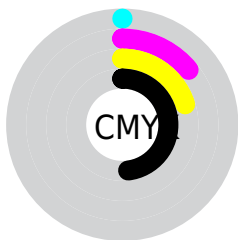
Blue (42%)



Red (52%)

Yellow (46%)

Blue (42%)

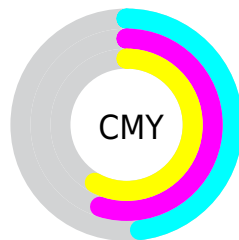


Cyan (0%)

Magenta (14%)

Yellow (20%)

Black (48%)



Cyan (48%)


Magenta (55%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.0618, 0.3483, 0.3440 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 18.0618, 0.3483, 0.3440 by changing the saturation by 10% instead.


 18.0618, 0.3483,
0.3440


 18.0618, 0.3483,
0.3440


241.2192, 0.3276,
0.3356

 10.9944, 0.3548,
0.3465


 40.1426, 0.3399,
0.3407

 6.0630, 0.3641,
0.3499

 55.9248, 0.3370,
0.3395

 2.8835, 0.3788,
0.3550

 75.3806, 0.3347,
0.3385

 1.0712, 0.4093,
0.3671

 98.8946, 0.3328,
0.3377

 0.0000, 1.0000,
0.0000

126.8510, 0.3312,
0.3371

 0.0000, 0.0000,
0.0000

159.6343, 0.3298,

0.3365

197.6289, 0.3286,
0.3360

■ 18.0618, 0.3483,
0.3440

■ 18.0618, 0.3483,
0.3440

■ 15.8057, 0.3707,
0.3519

■ 20.5777, 0.3293,
0.3364

■ 13.7986, 0.3968,
0.3598

■ 23.3590, 0.3131,
0.3292

■ 12.0325, 0.4267,
0.3672

■ 26.4141, 0.2995,
0.3225

■ 10.4978, 0.4600,
0.3733

■ 29.7503, 0.2879,
0.3164

■ 9.1846, 0.4955,
0.3771

■ 33.3748, 0.2781,
0.3108

■ 8.0820, 0.5312,
0.3777

■ 37.2943, 0.2697,
0.3057

■ 7.1779, 0.5639,
0.3740

■ 41.5154, 0.2624,
0.3011

■ 6.4713, 0.5921,
0.3680

■ 46.0444, 0.2562,
0.2969

■ 50.8874, 0.2508,
0.2930

Harmonies

Analogous

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



18.0618, 0.3427, 0.3288



18.0618, 0.3483, 0.3440



18.0618, 0.3441, 0.3558

Triad

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



18.0618, 0.3483, 0.3440



18.0618, 0.2964, 0.3445



18.0618, 0.2938, 0.2988

Complementary

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



18.0618, 0.3483, 0.3440



19.4096, 0.2827, 0.3135

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.



18.0618, 0.2821, 0.3020



18.0618, 0.3483, 0.3440



18.0618, 0.2836, 0.3280

Square

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



18.0618, 0.3483, 0.3440



18.0618, 0.3138, 0.3566



18.0618, 0.2784, 0.3125



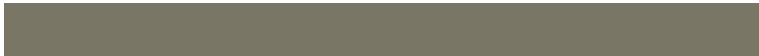
18.0618, 0.3108, 0.3033

Rectangle

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



18.0618, 0.3483, 0.3440



18.0618, 0.3363, 0.3600



18.0618, 0.2784, 0.3125



18.0618, 0.2891, 0.2990

Sweetspot

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



18.0626, 0.3483, 0.3440



38.8794, 0.3222, 0.3333



16.7795, 0.3248, 0.2939



8.7010, 0.3231, 0.3337



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.



18.0626, 0.3483, 0.3440



30.5855, 0.3574, 0.3474



21.2350, 0.3439, 0.3674



4.8979, 0.3272, 0.3355



6.1799, 0.5918, 0.3683



0.0329, 0.5194, 0.4258

Inverse Universe

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



19.4096, 0.2827, 0.3135



33.4183, 0.2764, 0.3099



16.3088, 0.2811, 0.2874



5.0512, 0.2992, 0.3224



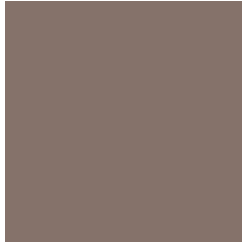
9.1586, 0.1978, 0.2321



0.0445, 0.2116, 0.2816

Previews

White Background



This preview shows how the Yxy color 18.0618, 0.3483, 0.3440 looks on a white background.

Color Contrast Check

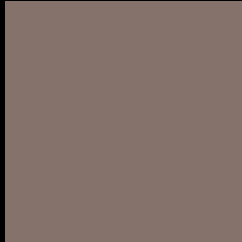
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.0618, 0.3483, 0.3440 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 18.0618, 0.3483, 0.3440

Background



This preview shows how black text looks on a background with the Yxy color 18.0618, 0.3483, 0.3440.

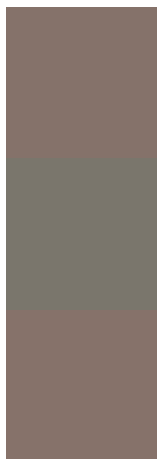


This preview shows how white text looks on a background with the Yxy color 18.0618, 0.3483, 0.3440.

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

18.0618, 0.3483, 0.3440

Protanopia

18.1772, 0.3299, 0.3484

Deuteranopia

18.1436, 0.3497, 0.3439



Tritanopia

18.1197, 0.3321, 0.3128

Trichromacy



Original Color

18.0618, 0.3483, 0.3440

Protanomaly

18.2197, 0.3367, 0.3481

Deuteranomaly

18.1436, 0.3497, 0.3439

Tritanomaly

18.1395, 0.3370, 0.3236

Monochromacy



Original Color

18.0618, 0.3483, 0.3440

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

18.2226, 0.3253, 0.3347

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.0618, 0.3483, 0.3440 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(133, 114, 106)` looks like.

```
.text, #text, p{  
    color:rgb(133, 114, 106)  
}
```

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(133, 114, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 114, 106) }
```

Border

The CSS property to change the border of an element to Yxy 18.0618, 0.3483, 0.3440 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(133, 114, 106) }
```

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

```
.border{ border-color:rgb(133, 114, 106) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 114, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 114, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 114, 106);  
box-shadow:4px 4px 4px 4px rgb(133, 114,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 18.0618, 0.3483, 0.3440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 114, 106) }
```

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

```
.background{ background-color: rgb(133,  
114, 106) }
```

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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