

Converting Colors

$Y_{xy}(18.4804, 0.3117, 0.3535)$

Have a look what the booklet for
Yxy(18.4804, 0.3117, 0.3535)
contains.

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Color

Yxy(18.3599, 0.3116, 0.3530)

Conversions

Conversions Part 1

Format	Color
Hex	6E7A6E
RGB	110, 122, 110
RGB Percent	43%, 48%, 43%
CMY	0.5686, 0.5216, 0.5686
CMYK	0.10, 0.00, 0.10, 0.52
HSL	120°, 5%, 45%
HSV	120°, 10%, 48%
XYZ	16.2066, 18.3599, 17.4445
YIQ	117.0440, -3.3000, -6.2760

Conversions

Conversions Part 2

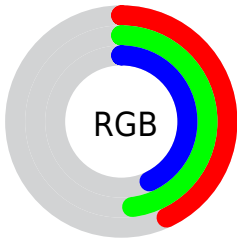
Format	Color
R_{YB}	110, 122, 122
Decimal	7240302
CIE Lab	49.93, -6.92, 5.05
CIE LCh	50, 8.564, 143.892
Yxy	18.3599, 0.3116, 0.3530
Android (android.graphics.Color)	4285430382 (0xFF6E7A6E)
YUV	117.0440, -3.4727, -6.1776
Hunter-Lab	42.8485, -7.4704, 5.8557

Details

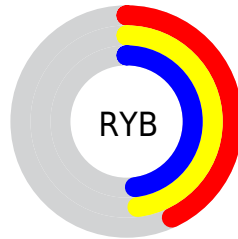
The Yxy color **18.3599, 0.3116, 0.3530** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **16.6962, 0.3138, 0.3061**, and the grayscale version is **17.8167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.5621, 0.3119, 0.3461**, and **6.1370, 0.3111, 0.3644** is the 20% darker color. If you saturate the color by 10%, you get **17.3838, 0.3103, 0.3806**, and if you desaturate by 10%, it is **19.4818, 0.3127, 0.3286**.

Distribution



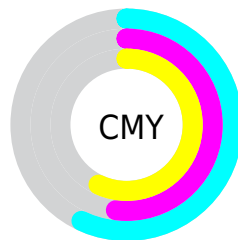
- Red (43%)
- Green (48%)
- Blue (43%)



- Red (43%)
- Yellow (48%)
- Blue (48%)



- Cyan (10%)
- Magenta (0%)
- Yellow (10%)
- Black (52%)





- Cyan (57%)
- Magenta (52%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3599, 0.3116, 0.3530 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 18.3599, 0.3116, 0.3530 by changing the saturation by 10% instead.

 18.3599, 0.3116,
0.3530


 18.3599, 0.3116,
0.3530


242.8919, 0.3123,
0.3390


 11.2087, 0.3113,
0.3574


 40.6496, 0.3119,
0.3473


 6.2074, 0.3109,
0.3639

 56.5569, 0.3120,
0.3453

 2.9716, 0.3101,
0.3742

 76.1517, 0.3121,
0.3438

 1.1169, 0.3089,
0.3936

 99.8184, 0.3122,
0.3425

 0.0000, 0.0000,
0.0000

127.9414, 0.3122,
0.3414

160.9050, 0.3123,

0.3405

199.0937, 0.3123,
0.3397

■ 18.3599, 0.3116,
0.3530

■ 18.3599, 0.3116,
0.3530

■ 17.3838, 0.3103,
0.3806

■ 19.4818, 0.3127,
0.3286

■ 16.5453, 0.3089,
0.4112

■ 20.7526, 0.3137,
0.3073

■ 15.8388, 0.3073,
0.4443

■ 22.1784, 0.3146,
0.2888

■ 15.2578, 0.3057,
0.4786

■ 23.7640, 0.3153,
0.2729

■ 14.7948, 0.3042,
0.5123

■ 25.5144, 0.3160,
0.2592

■ 14.4417, 0.3027,
0.5432

■ 27.4340, 0.3165,
0.2474

■ 14.1895, 0.3015,
0.5686

■ 29.5272, 0.3170,
0.2372

■ 14.0277, 0.3006,
0.5868

■ 31.7982, 0.3174,
0.2284

■ 13.9208, 0.3000,
0.5998

■ 34.2511, 0.3177,
0.2208

Harmonies

Analogous

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



18.3599, 0.3278, 0.3578



18.3599, 0.3116, 0.3530



18.3599, 0.2961, 0.3412

Triad

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



18.3599, 0.3116, 0.3530



18.3599, 0.2858, 0.3036



18.3599, 0.3411, 0.3308

Complementary

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



18.3599, 0.3116, 0.3530



16.6962, 0.3138, 0.3061

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.



18.3599, 0.3293, 0.3171



18.3599, 0.3116, 0.3530



18.3599, 0.2973, 0.3016

Square

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



18.3599, 0.3116, 0.3530



18.3599, 0.2814, 0.3124



18.3599, 0.3132, 0.3066



18.3599, 0.3451, 0.3444

Rectangle

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



18.3599, 0.3116, 0.3530



18.3599, 0.2880, 0.3313



18.3599, 0.3132, 0.3066



18.3599, 0.3379, 0.3260

Sweetspot

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



18.3607, 0.3116, 0.3530



33.6070, 0.3124, 0.3362



19.1328, 0.3266, 0.3516



7.6514, 0.3123, 0.3379



62.0916, 0.3127, 0.3290



7.8288, 0.3127, 0.3290

Same Dimension

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



18.3607, 0.3116, 0.3530



31.8568, 0.3113, 0.3595



18.4905, 0.3051, 0.3413



4.4501, 0.3117, 0.3511



14.6551, 0.3000, 0.6000



69.9049, 0.3000, 0.6000

Inverse Universe

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



16.6962, 0.3138, 0.3061



28.2523, 0.3141, 0.3003



16.5574, 0.3211, 0.3171



4.0774, 0.3137, 0.3079



5.8293, 0.3208, 0.1541



27.8045, 0.3207, 0.1541

Previews

White Background



This preview shows how the Yxy color 18.3599, 0.3116, 0.3530 looks on a white 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

Black Background



This preview shows how the Yxy color 18.3599, 0.3116, 0.3530 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

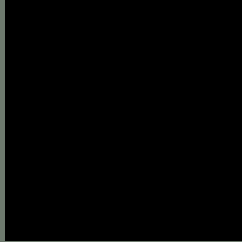
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

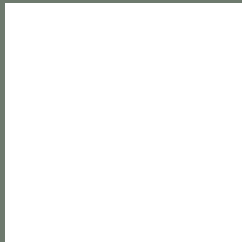
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.3599, 0.3116, 0.3530

Background



This preview shows how black text looks on a background with the Yxy color 18.3599, 0.3116, 0.3530.

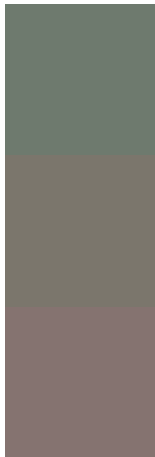


This preview shows how white text looks on a background with the Yxy color 18.3599, 0.3116, 0.3530.

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

18.3599, 0.3116, 0.3530

Protanopia

18.2505, 0.3312, 0.3483

Deuteranopia

18.4179, 0.3402, 0.3346



Tritanopia

18.2893, 0.2942, 0.3098

Trichromacy



Original Color

18.3599, 0.3116, 0.3530

Protanomaly

18.1493, 0.3232, 0.3486

Deuteranomaly

18.4645, 0.3301, 0.3424

Tritanomaly

18.2828, 0.3007, 0.3251

Monochromacy



Original Color

18.3599, 0.3116, 0.3530

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

17.9860, 0.3123, 0.3389

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3599, 0.3116, 0.3530 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(110, 122, 110)` looks like.

```
.text, #text, p{  
    color:rgb(110, 122, 110)  
}
```

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(110, 122, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(110, 122, 110) }
```

Border

The CSS property to change the border of an element to Yxy 18.3599, 0.3116, 0.3530 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(110, 122, 110) }
```

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

```
.border{ border-color:rgb(110, 122, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(110, 122, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(110, 122, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(110, 122, 110);  
box-shadow:4px 4px 4px 4px rgb(110, 122,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3599, 0.3116, 0.3530 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(110, 122, 110) }
```

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

```
.background{ background-color: rgb(110,  
122, 110) }
```

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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