

Converting Colors

$Y_{xy}(18.5833, 0.3265, 0.3946)$

Have a look what the booklet for
Yxy(18.5833, 0.3265, 0.3946)
contains.

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Color

Yxy(18.5833, 0.3265, 0.3946)

Conversions

Conversions Part 1

Format	Color
Hex	6B7D5D
RGB	107, 125, 93
RGB Percent	42%, 49%, 36%
CMY	0.5803, 0.5098, 0.6353
CMYK	0.14, 0.00, 0.26, 0.51
HSL	94°, 15%, 43%
HSV	94°, 26%, 49%
XYZ	15.3762, 18.5833, 13.1345
YIQ	115.9700, -0.4560, -13.7680

Conversions

Conversions Part 2

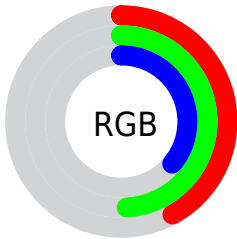
Format	Color
R_{YB}	93, 125, 111
Decimal	7044445
CIE _{Lab}	50.20, -12.89, 15.31
CIE _{LCh}	50, 20.012, 130.086
Yxy	18.5833, 0.3265, 0.3946
Android (android.graphics.Color)	4285234525 (0xFF6B7D5D)
YUV	115.9700, -11.3242, -7.8667
Hunter-Lab	43.1084, -11.7710, 12.1110

Details

The Yxy color **18.5833, 0.3265, 0.3946** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **12.6885, 0.2954, 0.2646**, and the grayscale version is **17.4931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.1949, 0.3243, 0.3798**, and **6.3039, 0.3300, 0.4244** is the 20% darker color. If you saturate the color by 10%, you get **17.9627, 0.3313, 0.4233**, and if you desaturate by 10%, it is **19.2771, 0.3213, 0.3674**.

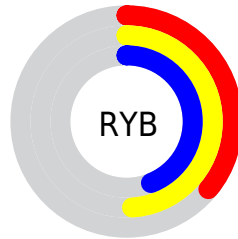
Distribution



Red (42%)

Green (49%)

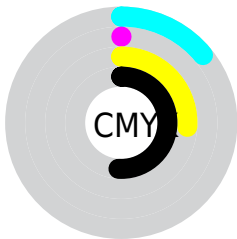
Blue (36%)



Red (36%)

Yellow (49%)

Blue (44%)

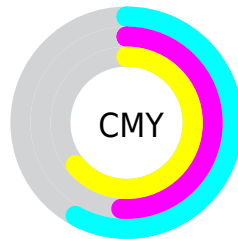


Cyan (14%)

Magenta (0%)

Yellow (26%)

Black (51%)



Cyan (58%)


Magenta (51%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.5833, 0.3265, 0.3946 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 18.5833, 0.3265, 0.3946 by changing the saturation by 10% instead.


 18.5833, 0.3265,
0.3946


 18.5833, 0.3265,
0.3946


244.1386, 0.3191,
0.3558


 11.3696, 0.3284,
0.4071


 41.0288, 0.3238,
0.3787


 6.3160, 0.3307,
0.4253


 57.0293, 0.3227,
0.3733

 3.0382, 0.3333,
0.4542

 76.7276, 0.3219,
0.3690

 1.1517, 0.3666,
0.5567

 100.5080, 0.3212,
0.3654

 0.0217, 0.0000,
1.0000

128.7549, 0.3206,
0.3624

 0.0000, 0.0000,
0.0000

161.8527, 0.3200,

0.3599

200.1858, 0.3196,
0.3577

■ 18.5833, 0.3265,
0.3946

■ 18.5833, 0.3265,
0.3946

■ 17.9627, 0.3313,
0.4233

■ 19.2771, 0.3213,
0.3674

■ 17.4102, 0.3352,
0.4528

■ 20.0440, 0.3158,
0.3422

■ 16.9239, 0.3381,
0.4820

■ 20.8872, 0.3103,
0.3191

■ 16.5008, 0.3394,
0.5095

■ 21.8089, 0.3049,
0.2982

■ 16.1376, 0.3389,
0.5340

■ 22.8113, 0.2998,
0.2795

■ 15.8306, 0.3366,
0.5541

■ 23.8962, 0.2949,
0.2627

■ 15.5745, 0.3327,
0.5692

■ 25.0658, 0.2902,
0.2478

■ 15.4725, 0.3309,
0.5754

■ 26.3218, 0.2859,
0.2345

■ 27.6661, 0.2819,
0.2226

Harmonies

Analogous

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



18.5833, 0.3616, 0.3949



18.5833, 0.3265, 0.3946



18.5833, 0.2890, 0.3732

Triad

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



18.5833, 0.3265, 0.3946



18.5833, 0.2452, 0.2774



18.5833, 0.3683, 0.3172

Complementary

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



18.5833, 0.3265, 0.3946



12.6885, 0.2954, 0.2646

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.



18.5833, 0.3340, 0.2901



18.5833, 0.3265, 0.3946



18.5833, 0.2635, 0.2673

Square

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



18.5833, 0.3265, 0.3946



18.5833, 0.2436, 0.3024



18.5833, 0.2954, 0.2722



18.5833, 0.3871, 0.3482

Rectangle

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



18.5833, 0.3265, 0.3946



18.5833, 0.2678, 0.3504



18.5833, 0.2954, 0.2722



18.5833, 0.3581, 0.3074

Sweetspot

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



18.5841, 0.3265, 0.3946



35.5270, 0.3172, 0.3485



16.4320, 0.3557, 0.3636



8.0399, 0.3179, 0.3518



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.



18.5841, 0.3265, 0.3946



32.5827, 0.3295, 0.4121



17.8125, 0.3078, 0.3945



4.9038, 0.3177, 0.3508



16.1464, 0.3308, 0.5756



0.0000, 0.0000, 0.0000

Inverse Universe

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



12.6885, 0.2954, 0.2646



20.0385, 0.2902, 0.2477



13.6299, 0.3178, 0.2712



4.3215, 0.3073, 0.3073



2.9074, 0.2177, 0.0973



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.5833, 0.3265, 0.3946 looks on a white background.

Color Contrast Check

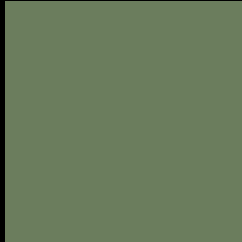
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.5833, 0.3265, 0.3946 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

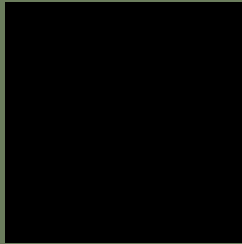
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.5833, 0.3265, 0.3946

Background



This preview shows how black text looks on a background with the Yxy color 18.5833, 0.3265, 0.3946.



This preview shows how white text looks on a background with the Yxy color 18.5833, 0.3265, 0.3946.

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

18.5833, 0.3265, 0.3946

Protanopia

18.5210, 0.3598, 0.3843

Deuteranopia

18.3498, 0.3712, 0.3636



Tritanopia

18.5554, 0.2932, 0.3098

Trichromacy



Original Color

18.5833, 0.3265, 0.3946

Protanomaly

18.4231, 0.3469, 0.3880

Deuteranomaly

18.2770, 0.3540, 0.3750

Tritanomaly

18.5829, 0.3050, 0.3388

Monochromacy



Original Color

18.5833, 0.3265, 0.3946

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.7871, 0.3180, 0.3510

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.5833, 0.3265, 0.3946 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(107, 125, 93)` looks like.

```
.text, #text, p{  
    color:rgb(107, 125, 93)  
}
```

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(107, 125, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(107, 125, 93) }
```

Border

The CSS property to change the border of an element to Yxy 18.5833, 0.3265, 0.3946 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(107, 125, 93) }
```

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

```
.border{ border-color:rgb(107, 125, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(107, 125, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(107, 125, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(107, 125, 93);  
box-shadow:4px 4px 4px 4px rgb(107, 125,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 18.5833, 0.3265, 0.3946 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(107, 125, 93) }
```

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

```
.background{ background-color: rgb(107,  
125, 93) }
```

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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