

# Converting Colors

$Y_{xy}(18.7033, 0.3490, 0.3865)$

Have a look what the booklet for  
Yxy(18.7033, 0.3490, 0.3865)  
contains.

<b>Yxy(18.5850, 0.3484, 0.3855)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(18.5850, 0.3484, 0.3855)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	7A795C
RGB	122, 121, 92
RGB Percent	48%, 47%, 36%
CMY	0.5215, 0.5255, 0.6392
CMYK	0.00, 0.01, 0.25, 0.52
HSL	58°, 14%, 42%
HSV	58°, 25%, 48%
XYZ	16.7964, 18.5850, 12.8287
YIQ	117.9930, 9.9050, -8.8070

# Conversions

## Conversions Part 2

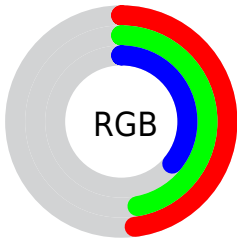
<b>Format</b>	<b>Color</b>
<b>RYB</b>	93, 122, 92
Decimal	8026460
CIELab	50.20, -4.75, 16.09
CIElCh	50, 16.774, 106.460
Yxy	18.5850, 0.3484, 0.3855
Android (android.graphics.Color)	4286216540 (0xFF7A795C)
YUV	117.9930, -12.8145, 3.5141
Hunter-Lab	43.1103, -5.8969, 12.5338

# Details

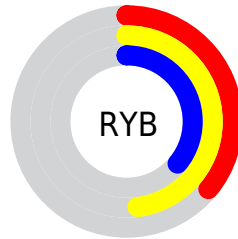
The Yxy color **18.5850, 0.3484, 0.3855** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **11.5129, 0.2731, 0.2655**, and the grayscale version is **18.1539, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.9541, 0.3410, 0.3724**, and **6.3788, 0.3623, 0.4110** is the 20% darker color. If you saturate the color by 10%, you get **18.2897, 0.3631, 0.4085**, and if you desaturate by 10%, it is **18.9168, 0.3336, 0.3622**.

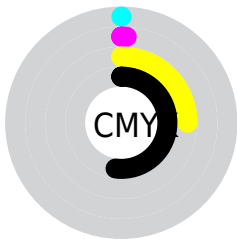
# Distribution



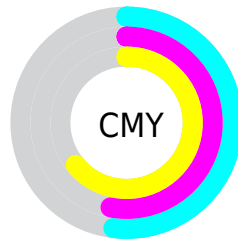
- Red (48%)
- Green (47%)
- Blue (36%)



- Red (36%)
- Yellow (48%)
- Blue (36%)



- Cyan (0%)
- Magenta (1%)
- Yellow (25%)
- Black (52%)




- Cyan (52%)
- Magenta (53%)
- Yellow (64%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 18.5850, 0.3484, 0.3855 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 18.5850, 0.3484, 0.3855 by changing the saturation by 10% instead.





 18.5850, 0.3484,  
0.3855


 18.5850, 0.3484,  
0.3855


244.1480, 0.3281,  
0.3527


 11.3708, 0.3544,  
0.3957


 41.0317, 0.3404,  
0.3722


 6.3168, 0.3627,  
0.4103


 57.0329, 0.3376,  
0.3677

 3.0387, 0.3748,  
0.4326

 76.7320, 0.3353,  
0.3640

 1.1520, 0.4337,  
0.5191

 100.5132, 0.3334,  
0.3609

 0.0219, 0.0000,  
1.0000

128.7610, 0.3318,  
0.3584

 0.0000, 0.0000,  
0.0000

161.8599, 0.3304,

0.3562

200.1941, 0.3292,  
0.3543

■ 18.5850, 0.3484,  
0.3855

■ 18.5850, 0.3484,  
0.3855

■ 18.2897, 0.3631,  
0.4085

■ 18.9168, 0.3336,  
0.3622

■ 18.0267, 0.3772,  
0.4305

■ 19.2840, 0.3192,  
0.3393

■ 17.7951, 0.3903,  
0.4505

■ 19.6891, 0.3053,  
0.3172

■ 17.5929, 0.4017,  
0.4678

■ 20.1332, 0.2922,  
0.2963

■ 17.4180, 0.4111,  
0.4817

■ 20.6178, 0.2801,  
0.2767

■ 17.2679, 0.4181,  
0.4917

■ 21.1441, 0.2689,  
0.2587

■ 17.1390, 0.4228,  
0.4978

■ 21.7132, 0.2586,  
0.2421

■ 17.0721, 0.4251,  
0.5007

■ 22.3263, 0.2493,  
0.2270

■ 22.9844, 0.2409,  
0.2133

# Harmonies

## Analogous

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



18.5850, 0.3701, 0.3737



18.5850, 0.3484, 0.3855



18.5850, 0.3178, 0.3810

# Triad

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



18.5850, 0.3484, 0.3855



18.5850, 0.2533, 0.3017



18.5850, 0.3374, 0.3005

# Complementary

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



18.5850, 0.3484, 0.3855



11.5129, 0.2731, 0.2655

# 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.



18.5850, 0.3050, 0.2832



18.5850, 0.3484, 0.3855



18.5850, 0.2578, 0.2827

# Square

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



18.5850, 0.3484, 0.3855



18.5850, 0.2636, 0.3301



18.5850, 0.2762, 0.2766



18.5850, 0.3639, 0.3248



# Rectangle

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



18.5850, 0.3484, 0.3855



18.5850, 0.2967, 0.3686



18.5850, 0.2762, 0.2766



18.5850, 0.3268, 0.2937

# Sweetspot

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



18.5858, 0.3484, 0.3855



33.7477, 0.3228, 0.3451



12.5933, 0.3587, 0.3261



7.7103, 0.3234, 0.3460



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.



18.5858, 0.3484, 0.3855



32.3659, 0.3574, 0.3997



17.9145, 0.3303, 0.3908



4.6119, 0.3256, 0.3495



17.9687, 0.4251, 0.5007



85.4514, 0.4254, 0.5004



# Inverse Universe

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



11.5129, 0.2731, 0.2655



17.4775, 0.2616, 0.2469



12.0952, 0.2915, 0.2666



3.9132, 0.2994, 0.3077



1.5707, 0.1509, 0.0633



7.2413, 0.1504, 0.0614



# Previews

## White Background



This preview shows how the Yxy color 18.5850, 0.3484, 0.3855 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 18.5850, 0.3484, 0.3855 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

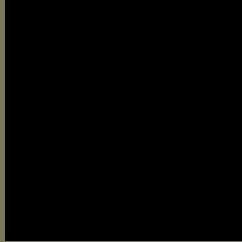
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

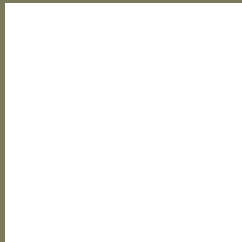
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 18.5850, 0.3484, 0.3855**

## **Background**



This preview shows how black text looks on a background with the Yxy color 18.5850, 0.3484, 0.3855.



This preview shows how white text looks on a background with the Yxy color 18.5850, 0.3484, 0.3855.

# 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

18.5850, 0.3484, 0.3855

### Protanopia

18.5382, 0.3586, 0.3824

### Deuteranopia

18.6272, 0.3747, 0.3688



## Tritanopia

18.6646, 0.3135, 0.3124

# Trichromacy



## Original Color

18.5850, 0.3484, 0.3855

## Protanomaly

18.6239, 0.3554, 0.3846

## Deuteranomaly

18.4994, 0.3639, 0.3738

## Tritanomaly

18.5317, 0.3265, 0.3366

# Monochromacy



## Original Color

18.5850, 0.3484, 0.3855

## Achromatopsia

18.1164, 0.3127, 0.3290

## Achromatomaly

18.2197, 0.3245, 0.3485

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 18.5850, 0.3484, 0.3855 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(122, 121, 92)` looks like.

```
.text, #text, p{  
    color:rgb(122, 121, 92)  
}
```

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(122, 121, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(122, 121, 92) }
```

## Border

The CSS property to change the border of an element to Yxy 18.5850, 0.3484, 0.3855 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(122, 121, 92) }
```

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

```
.border{ border-color:rgb(122, 121, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(122, 121, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(122, 121, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(122, 121, 92);  
box-shadow:4px 4px 4px 4px rgb(122, 121,  
92) }
```



# Background

The CSS property to change the background color of an element to Yxy 18.5850, 0.3484, 0.3855 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(122, 121, 92) }
```

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

```
.background{ background-color: rgb(122,  
121, 92) }
```

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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