

Converting Colors

$Y_{xy}(19.0635, 0.3577, 0.3801)$

Have a look what the booklet for
Yxy(19.0635, 0.3577, 0.3801)
contains.

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Color

Yxy(18.9691, 0.3584, 0.3798)

Conversions

Conversions Part 1

Format	Color
Hex	82785D
RGB	130, 120, 93
RGB Percent	51%, 47%, 36%
CMY	0.4901, 0.5294, 0.6353
CMYK	0.00, 0.08, 0.28, 0.49
HSL	44°, 17%, 44%
HSV	44°, 28%, 51%
XYZ	17.9003, 18.9691, 13.0756
YIQ	119.9120, 14.6270, -6.2770

Conversions

Conversions Part 2

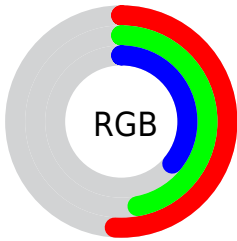
Format	Color
RYB	107, 130, 93
Decimal	8550493
CIELab	50.65, -0.69, 16.24
CIElCh	51, 16.257, 92.427
Yxy	18.9691, 0.3584, 0.3798
Android (android.graphics.Color)	4286740573 (0xFF82785D)
YUV	119.9120, -13.2676, 8.8472
Hunter-Lab	43.5535, -2.8561, 12.6875

Details

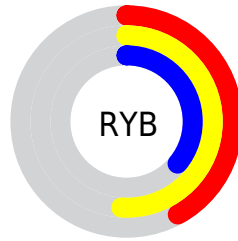
The Yxy color **18.9691, 0.3584, 0.3798** is a dark color, and the websafe version is hex **666633**. A complement of this color would be **13.6456, 0.2675, 0.2724**, and the grayscale version is **18.7937, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5555, 0.3481, 0.3686**, and **6.5454, 0.3763, 0.4012** is the 20% darker color. If you saturate the color by 10%, you get **17.9277, 0.3765, 0.3980**, and if you desaturate by 10%, it is **20.0826, 0.3412, 0.3615**.

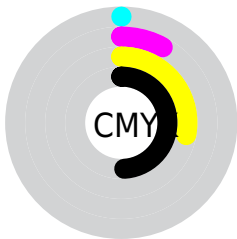
Distribution



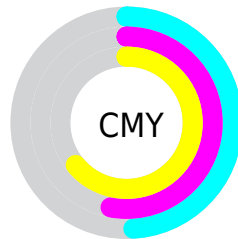
- Red (51%)
- Green (47%)
- Blue (36%)



- Red (42%)
- Yellow (51%)
- Blue (36%)



- Cyan (0%)
- Magenta (8%)
- Yellow (28%)
- Black (49%)




- Cyan (49%)
- Magenta (53%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.9691, 0.3584, 0.3798 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 18.9691, 0.3584, 0.3798 by changing the saturation by 10% instead.


 18.9691, 0.3584,
0.3798


 18.9691, 0.3584,
0.3798


246.2781, 0.3323,
0.3507


 11.6480, 0.3662,
0.3886


 41.6819, 0.3480,
0.3682


 6.5044, 0.3772,
0.4009


 57.8423, 0.3444,
0.3641

 3.1542, 0.3934,
0.4194

 77.7179, 0.3414,
0.3609

 1.2127, 0.4541,
0.4864

 101.6932, 0.3390,
0.3581

 0.0721, 0.4177,
0.5823

130.1524, 0.3369,
0.3558

 0.0000, 0.0000,
0.0000

163.4801, 0.3352,

0.3539

202.0605, 0.3336,
0.3522

■ 18.9691, 0.3584,
0.3798

■ 18.9691, 0.3584,
0.3798

■ 17.9277, 0.3765,
0.3980

■ 20.0826, 0.3412,
0.3615

■ 16.9533, 0.3951,
0.4154

■ 21.2677, 0.3252,
0.3436

■ 16.0445, 0.4136,
0.4312

■ 22.5272, 0.3105,
0.3264

■ 15.1985, 0.4313,
0.4443

■ 23.8633, 0.2972,
0.3103

■ 14.4123, 0.4475,
0.4539

■ 25.2777, 0.2851,
0.2952

■ 13.6824, 0.4613,
0.4592

■ 26.7721, 0.2742,
0.2812

■ 13.0008, 0.4731,
0.4609

■ 28.3483, 0.2644,
0.2684

■ 12.8989, 0.4749,
0.4611

■ 30.0080, 0.2557,
0.2566

■ 31.7526, 0.2478,
0.2458

Harmonies

Analogous

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



18.9691, 0.3728, 0.3629



18.9691, 0.3584, 0.3798



18.9691, 0.3320, 0.3831

Triad

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



18.9691, 0.3584, 0.3798



18.9691, 0.2584, 0.3148



18.9691, 0.3221, 0.2926

Complementary

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



18.9691, 0.3584, 0.3798



13.6456, 0.2675, 0.2724

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.



18.9691, 0.2915, 0.2803



18.9691, 0.3584, 0.3798



18.9691, 0.2559, 0.2916

Square

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



18.9691, 0.3584, 0.3798



18.9691, 0.2746, 0.3440



18.9691, 0.2677, 0.2796



18.9691, 0.3514, 0.3134

Rectangle

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



18.9691, 0.3584, 0.3798



18.9691, 0.3115, 0.3761



18.9691, 0.2677, 0.2796



18.9691, 0.3116, 0.2874

Sweetspot

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



18.9700, 0.3584, 0.3798



37.2851, 0.3264, 0.3449



13.5665, 0.3551, 0.3089



8.3793, 0.3283, 0.3471



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.



18.9700, 0.3584, 0.3798



32.2272, 0.3697, 0.3913



20.8975, 0.3437, 0.3994



4.8287, 0.3262, 0.3447



12.3764, 0.4748, 0.4612



0.0000, 0.0000, 0.0000

Inverse Universe

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



13.6456, 0.2675, 0.2724



21.2905, 0.2564, 0.2575



12.2106, 0.2756, 0.2528



4.3865, 0.2993, 0.3128



2.7192, 0.1606, 0.0981



0.0000, 0.0000, 0.0000

Previews

White Background



This preview shows how the Yxy color 18.9691, 0.3584, 0.3798 looks on a white background.

Color Contrast Check

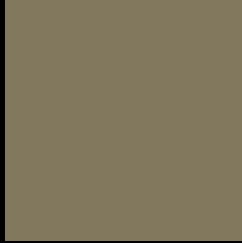
Large Text (above 18pt) WCAG AA ✓ Pass

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 18.9691, 0.3584, 0.3798 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

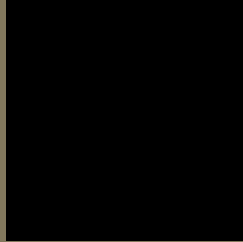
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

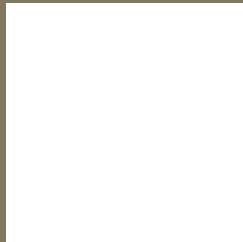
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 18.9691, 0.3584, 0.3798

Background



This preview shows how black text looks on a background with the Yxy color 18.9691, 0.3584, 0.3798.



This preview shows how white text looks on a background with the Yxy color 18.9691, 0.3584, 0.3798.

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

18.9691, 0.3584, 0.3798

Protanopia

18.8904, 0.3570, 0.3801

Deuteranopia

18.9617, 0.3742, 0.3686



Tritanopia

19.0398, 0.3250, 0.3129

Trichromacy



Original Color

18.9691, 0.3584, 0.3798

Protanomaly

18.8904, 0.3570, 0.3801

Deuteranomaly

18.8491, 0.3681, 0.3711

Tritanomaly

18.9014, 0.3384, 0.3364

Monochromacy



Original Color

18.9691, 0.3584, 0.3798

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.8438, 0.3296, 0.3481

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.9691, 0.3584, 0.3798 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(130, 120, 93)` looks like.

```
.text, #text, p{  
    color:rgb(130, 120, 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(130, 120, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(130, 120, 93) }
```

Border

The CSS property to change the border of an element to Yxy 18.9691, 0.3584, 0.3798 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(130, 120, 93) }
```

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

```
.border{ border-color:rgb(130, 120, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(130, 120, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(130, 120, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(130, 120, 93);  
box-shadow:4px 4px 4px 4px rgb(130, 120,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 18.9691, 0.3584, 0.3798 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(130, 120, 93) }
```

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

```
.background{ background-color: rgb(130,  
120, 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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