

Converting Colors

$Y_{xy}(16.7714, 0.3947, 0.3466)$

Have a look what the booklet for
Yxy(16.7714, 0.3947, 0.3466)
contains.

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Color

Yxy(16.8804, 0.3947, 0.3466)

Conversions

Conversions Part 1

Format	Color
Hex	95675D
RGB	149, 103, 93
RGB Percent	58%, 40%, 36%
CMY	0.4156, 0.5961, 0.6353
CMYK	0.00, 0.31, 0.38, 0.42
HSL	11°, 23%, 47%
HSV	11°, 38%, 58%
XYZ	19.2230, 16.8804, 12.5994
YIQ	115.6140, 30.6260, 6.6420

Conversions

Conversions Part 2

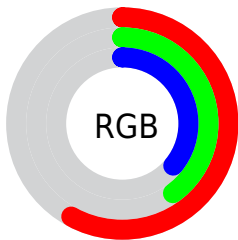
Format	Color
R_{YB}	149, 105, 93
Decimal	9791325
CIE Lab	48.11, 17.16, 13.07
CIE LCh	48, 21.573, 37.299
Yxy	16.8804, 0.3947, 0.3466
Android (android.graphics.Color)	4287981405 (0xFF95675D)
YUV	115.6140, -11.1487, 29.2795
Hunter-Lab	41.0858, 11.6156, 10.5781

Details

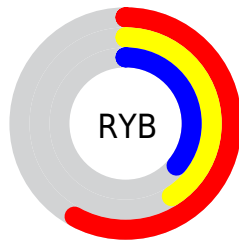
The Yxy color **16.8804, 0.3947, 0.3466** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **22.9683, 0.2591, 0.3103**, and the grayscale version is **17.3690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9317, 0.3749, 0.3434**, and **5.5204, 0.4308, 0.3523** is the 20% darker color. If you saturate the color by 10%, you get **14.3829, 0.4272, 0.3512**, and if you desaturate by 10%, it is **19.7876, 0.3671, 0.3417**.

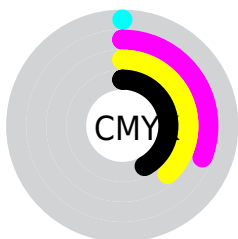
Distribution



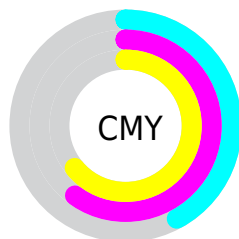
- Red (58%)
- Green (40%)
- Blue (36%)



- Red (58%)
- Yellow (41%)
- Blue (36%)



- Cyan (0%)
- Magenta (31%)
- Yellow (38%)
- Black (42%)





- Cyan (42%)
- Magenta (60%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.8804, 0.3947, 0.3466 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 16.8804, 0.3947, 0.3466 by changing the saturation by 10% instead.


 16.8804, 0.3947,
0.3466

 16.8804, 0.3947,
0.3466


234.4822, 0.3464,
0.3376


 10.1493, 0.4100,
0.3486


 38.1200, 0.3750,
0.3434


 5.4980, 0.4322,
0.3509

 53.3973, 0.3683,
0.3422

 2.5423, 0.4668,
0.3526


 72.2921, 0.3629,
0.3411

 0.8978, 0.5840,
0.3885

 95.1887, 0.3584,
0.3402

 0.0000, 1.0000,
0.0000

122.4717, 0.3547,
0.3394

 0.0000, 0.0000,
0.0000

154.5253, 0.3515,

0.3387

191.7340, 0.3488,
0.3381

■ 16.8804, 0.3947,
0.3466

■ 16.8804, 0.3947,
0.3466

■ 14.3829, 0.4272,
0.3512

■ 19.7876, 0.3671,
0.3417

■ 12.2742, 0.4644,
0.3549

■ 23.1193, 0.3441,
0.3369

■ 10.5352, 0.5049,
0.3570


■ 26.8925, 0.3250,
0.3323


■ 9.1443, 0.5460,
0.3567


■ 31.1227, 0.3092,
0.3280

■ 8.0775, 0.5832,
0.3534

■ 35.8245, 0.2961,
0.3241

 7.3049, 0.6126,
0.3477

 41.0119, 0.2852,
0.3205

 7.1572, 0.6191,
0.3467

 46.6983, 0.2761,
0.3172

 52.8966, 0.2684,
0.3142

 59.6192, 0.2619,
0.3116

Harmonies

Analogous

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



16.8804, 0.3717, 0.3126



16.8804, 0.3947, 0.3466



16.8804, 0.3937, 0.3789

Triad

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



16.8804, 0.3947, 0.3466



16.8804, 0.2899, 0.3816



16.8804, 0.2556, 0.2611

Complementary

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



16.8804, 0.3947, 0.3466



22.9683, 0.2591, 0.3103

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.



16.8804, 0.2372, 0.2735



16.8804, 0.3947, 0.3466



16.8804, 0.2558, 0.3427

Square

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



16.8804, 0.3947, 0.3466



16.8804, 0.3316, 0.4035



16.8804, 0.2371, 0.3024



16.8804, 0.2896, 0.2652

Rectangle

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



16.8804, 0.3947, 0.3466



16.8804, 0.3800, 0.3954



16.8804, 0.2371, 0.3024



16.8804, 0.2475, 0.2633

Sweetspot

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



16.8812, 0.3947, 0.3466



45.6035, 0.3315, 0.3339



16.1032, 0.3294, 0.2523



9.9248, 0.3338, 0.3345



74.8414, 0.3127, 0.3290



11.9280, 0.3127, 0.3290

Same Dimension

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



16.8812, 0.3947, 0.3466



26.4536, 0.4214, 0.3504



23.2389, 0.3778, 0.3919



5.9729, 0.3278, 0.3330



6.0552, 0.6180, 0.3475



0.1053, 0.5556, 0.3970

Inverse Universe

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



22.9683, 0.2591, 0.3103



38.9199, 0.2488, 0.3055



16.0130, 0.2515, 0.2565



6.3880, 0.2990, 0.3250



13.6633, 0.2090, 0.2724



0.2043, 0.2173, 0.3023

Previews

White Background



This preview shows how the Yxy color 16.8804, 0.3947, 0.3466 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 16.8804, 0.3947, 0.3466 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

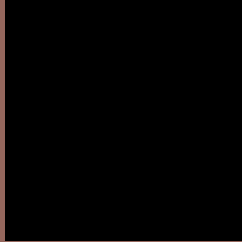
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.8804, 0.3947, 0.3466

Background



This preview shows how black text looks on a background with the Yxy color 16.8804, 0.3947, 0.3466.



This preview shows how white text looks on a background with the Yxy color 16.8804, 0.3947, 0.3466.

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

16.8804, 0.3947, 0.3466

Protanopia

16.9095, 0.3408, 0.3609

Deuteranopia

16.9111, 0.3689, 0.3631



Tritanopia

16.8741, 0.3747, 0.3171

Trichromacy



Original Color

16.8804, 0.3947, 0.3466

Protanomaly

16.8217, 0.3605, 0.3558

Deuteranomaly

16.7771, 0.3792, 0.3567

Tritanomaly

16.9660, 0.3817, 0.3275

Monochromacy



Original Color

16.8804, 0.3947, 0.3466

Achromatopsia

17.4647, 0.3127, 0.3290

Achromatomaly

17.0408, 0.3398, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.8804, 0.3947, 0.3466 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(149, 103, 93)` looks like.

```
.text, #text, p{  
    color:rgb(149, 103, 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(149, 103, 93) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 103, 93) }
```

Border

The CSS property to change the border of an element to Yxy 16.8804, 0.3947, 0.3466 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(149, 103, 93) }
```

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

```
.border{ border-color:rgb(149, 103, 93) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 103, 93)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 103, 93); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 103, 93);  
box-shadow:4px 4px 4px 4px rgb(149, 103,  
93) }
```


Background

The CSS property to change the background color of an element to Yxy 16.8804, 0.3947, 0.3466 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 103, 93) }
```

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

```
.background{ background-color: rgb(149,  
103, 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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