

Converting Colors

$Y_{xy}(18.8752, 0.3998, 0.3546)$

Have a look what the booklet for
Yxy(18.8752, 0.3998, 0.3546)
contains.

Yxy(18.8134, 0.3991, 0.3542)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.8134, 0.3991, 0.3542)

Conversions

Conversions Part 1

Format	Color
Hex	9C6D5E
RGB	156, 109, 94
RGB Percent	61%, 43%, 37%
CMY	0.3883, 0.5725, 0.6314
CMYK	0.00, 0.30, 0.40, 0.39
HSL	15°, 25%, 49%
HSV	15°, 40%, 61%
XYZ	21.1983, 18.8134, 13.1035
YIQ	121.3430, 32.8270, 5.2990

Conversions

Conversions Part 2

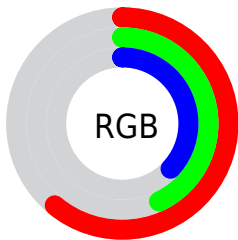
Format	Color
R_{YB}	156, 114, 94
Decimal	10251614
CIE Lab	50.47, 16.72, 15.86
CIE LCh	50, 23.043, 43.485
Yxy	18.8134, 0.3991, 0.3542
Android (android.graphics.Color)	4288441694 (0xFF9C6D5E)
YUV	121.3430, -13.4801, 30.3942
Hunter-Lab	43.3744, 11.3326, 12.4504

Details

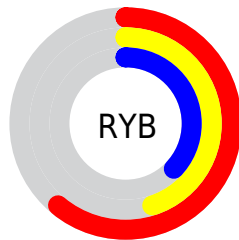
The Yxy color **18.8134, 0.3991, 0.3542** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **23.8250, 0.2551, 0.3018**, and the grayscale version is **19.2743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **41.5004, 0.3793, 0.3503**, and **6.4345, 0.4366, 0.3603** is the 20% darker color. If you saturate the color by 10%, you get **16.2066, 0.4310, 0.3603**, and if you desaturate by 10%, it is **21.8179, 0.3716, 0.3477**.

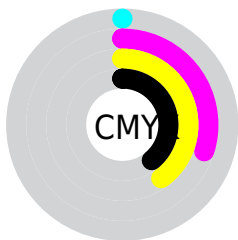
Distribution



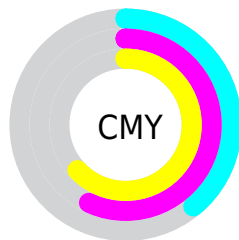
- Red (61%)
- Green (43%)
- Blue (37%)



- Red (61%)
- Yellow (45%)
- Blue (37%)



- Cyan (0%)
- Magenta (30%)
- Yellow (40%)
- Black (39%)





- Cyan (39%)
- Magenta (57%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.8134, 0.3991, 0.3542 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 18.8134, 0.3991, 0.3542 by changing the saturation by 10% instead.


 18.8134, 0.3991,
0.3542


 18.8134, 0.3991,
0.3542


245.4167, 0.3490,
0.3412


 11.5355, 0.4145,
0.3573


 41.4186, 0.3789,
0.3495

 6.4283, 0.4363,
0.3609


 57.5146, 0.3720,
0.3477

 3.1072, 0.4693,
0.3646

 77.3189, 0.3663,
0.3462

 1.1879, 0.5593,
0.3904

 101.2157, 0.3617,
0.3449

 0.0518, 0.8982,
0.1018

129.5895, 0.3578,
0.3438

 0.0000, 0.0000,
0.0000

162.8247, 0.3544,

0.3428

201.3056, 0.3515,
0.3420

■ 18.8134, 0.3991,
0.3542

■ 18.8134, 0.3991,
0.3542

■ 16.2066, 0.4310,
0.3603

■ 21.8179, 0.3716,
0.3477

■ 13.9780, 0.4670,
0.3651

■ 25.2333, 0.3483,
0.3411

■ 12.1103, 0.5055,
0.3678

■ 29.0754, 0.3287,
0.3348

■ 10.5838, 0.5439,
0.3674

■ 33.3584, 0.3123,
0.3289

■ 9.3767, 0.5784,
0.3630

■ 38.0959, 0.2986,
0.3234

■ 8.4589, 0.6066,
0.3562

■ 43.3008, 0.2871,
0.3184

■ 8.4384, 0.6073,
0.3560

■ 48.9856, 0.2775,
0.3138

■ 55.1621, 0.2693,
0.3097

■ 61.8420, 0.2623,
0.3059

Harmonies

Analogous

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



18.8134, 0.3801, 0.3191



18.8134, 0.3991, 0.3542



18.8134, 0.3927, 0.3861

Triad

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



18.8134, 0.3991, 0.3542



18.8134, 0.2809, 0.3760



18.8134, 0.2600, 0.2587

Complementary

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



18.8134, 0.3991, 0.3542



23.8250, 0.2551, 0.3018

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.



18.8134, 0.2375, 0.2678



18.8134, 0.3991, 0.3542



18.8134, 0.2487, 0.3340

Square

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



18.8134, 0.3991, 0.3542



18.8134, 0.3231, 0.4033



18.8134, 0.2334, 0.2941



18.8134, 0.2975, 0.2663

Rectangle

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



18.8134, 0.3991, 0.3542



18.8134, 0.3757, 0.4012



18.8134, 0.2334, 0.2941



18.8134, 0.2506, 0.2598

Sweetspot

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



18.8143, 0.3991, 0.3542



50.9981, 0.3333, 0.3363



17.0114, 0.3363, 0.2536



11.0372, 0.3355, 0.3371



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



18.8143, 0.3991, 0.3542



29.7879, 0.4283, 0.3598



26.4745, 0.3799, 0.4018



6.8940, 0.3278, 0.3345



6.9988, 0.6060, 0.3570



0.1845, 0.5387, 0.4105

Inverse Universe

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



23.8250, 0.2551, 0.3018



40.1902, 0.2434, 0.2943



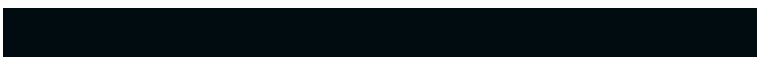
16.0466, 0.2463, 0.2432



7.2372, 0.2988, 0.3235



12.7507, 0.2029, 0.2505



0.2886, 0.2126, 0.2854

Previews

White Background



This preview shows how the Yxy color 18.8134, 0.3991, 0.3542 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 18.8134, 0.3991, 0.3542 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

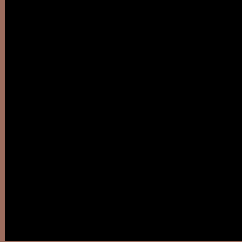
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.8134, 0.3991, 0.3542

Background



This preview shows how black text looks on a background with the Yxy color 18.8134, 0.3991, 0.3542.



This preview shows how white text looks on a background with the Yxy color 18.8134, 0.3991, 0.3542.

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

18.8134, 0.3991, 0.3542

Protanopia

18.8458, 0.3470, 0.3690

Deuteranopia

18.9438, 0.3755, 0.3704



Tritanopia

18.7921, 0.3749, 0.3161

Trichromacy



Original Color

18.8134, 0.3991, 0.3542

Protanomaly

18.7571, 0.3661, 0.3637

Deuteranomaly

18.7116, 0.3841, 0.3642

Tritanomaly

18.7450, 0.3831, 0.3292

Monochromacy



Original Color

18.8134, 0.3991, 0.3542

Achromatopsia

19.1202, 0.3127, 0.3290

Achromatomaly

18.9386, 0.3423, 0.3401

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.8134, 0.3991, 0.3542 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(156, 109, 94)` looks like.

```
.text, #text, p{  
    color:rgb(156, 109, 94)  
}
```

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(156, 109, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(156, 109, 94) }
```

Border

The CSS property to change the border of an element to Yxy 18.8134, 0.3991, 0.3542 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(156, 109, 94) }
```

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

```
.border{ border-color:rgb(156, 109, 94) }
```

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

Here you see how a box with a 4 pixel rgb(156, 109, 94) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(156, 109, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(156, 109, 94);  
box-shadow:4px 4px 4px 4px rgb(156, 109,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 18.8134, 0.3991, 0.3542 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(156, 109, 94) }
```

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

```
.background{ background-color: rgb(156,  
109, 94) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor