

Converting Colors

$Y_{xy}(18.3989, 0.3880, 0.3633)$

Have a look what the booklet for
Yxy(18.3989, 0.3880, 0.3633)
contains.

Yxy(18.3446, 0.3881, 0.3624)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(18.3446, 0.3881, 0.3624)

Conversions

Conversions Part 1

Format	Color
Hex	936F5C
RGB	147, 111, 92
RGB Percent	58%, 44%, 36%
CMY	0.4236, 0.5647, 0.6392
CMYK	0.00, 0.24, 0.37, 0.42
HSL	21°, 23%, 47%
HSV	21°, 37%, 58%
XYZ	19.6455, 18.3446, 12.6296
YIQ	119.5980, 27.5550, 1.7230

Conversions

Conversions Part 2

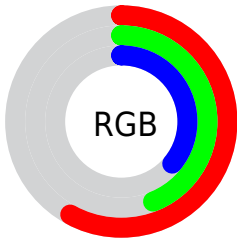
Format	Color
RYB	147, 121, 92
Decimal	9662300
CIELab	49.91, 11.53, 16.10
CIELCh	50, 19.803, 54.404
Yxy	18.3446, 0.3881, 0.3624
Android (android.graphics.Color)	4287852380 (0xFF936F5C)
YUV	119.5980, -13.6058, 24.0316
Hunter-Lab	42.8306, 6.9208, 12.4983

Details

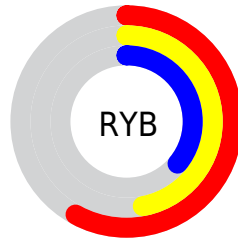
The Yxy color **18.3446, 0.3881, 0.3624** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **19.8086, 0.2569, 0.2926**, and the grayscale version is **18.6850, 0.3127, 0.3290**.

A 20% lighter version of the original color is **40.7039, 0.3705, 0.3562**, and **6.1852, 0.4215, 0.3729** is the 20% darker color. If you saturate the color by 10%, you get **16.1262, 0.4161, 0.3713**, and if you desaturate by 10%, it is **20.8404, 0.3636, 0.3531**.

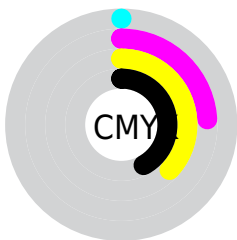
Distribution



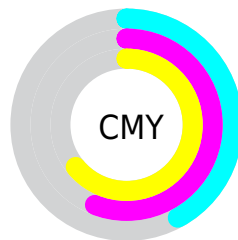
- Red (58%)
- Green (44%)
- Blue (36%)



- Red (58%)
- Yellow (47%)
- Blue (36%)



- Cyan (0%)
- Magenta (24%)
- Yellow (37%)
- Black (42%)




- Cyan (42%)
- Magenta (56%)
- Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 18.3446, 0.3881, 0.3624 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 18.3446, 0.3881, 0.3624 by changing the saturation by 10% instead.

 18.3446, 0.3881,
0.3624


 18.3446, 0.3881,
0.3624


242.8063, 0.3443,
0.3442


 11.1977, 0.4016,
0.3673


 40.6236, 0.3704,
0.3555


 6.2000, 0.4208,
0.3736

 56.5246, 0.3644,
0.3530

 2.9670, 0.4500,
0.3817

 76.1122, 0.3594,
0.3509

 1.1146, 0.5458,
0.4277

 99.7711, 0.3554,
0.3492

 0.0000, 1.0000,
0.0000

127.8856, 0.3519,
0.3477

 0.0000, 0.0000,
0.0000

160.8400, 0.3490,

0.3464

199.0187, 0.3465,
0.3452

■ 18.3446, 0.3881,
0.3624

■ 18.3446, 0.3881,
0.3624

■ 16.1262, 0.4161,
0.3713

■ 20.8404, 0.3636,
0.3531

■ 14.1727, 0.4472,
0.3790

■ 23.6206, 0.3425,
0.3440

■ 12.4742, 0.4806,
0.3846


■ 26.6949, 0.3244,
0.3352

■ 11.0192, 0.5146,
0.3868


■ 30.0719, 0.3090,
0.3269


■ 9.7952, 0.5465,
0.3847


■ 33.7599, 0.2958,
0.3193

 8.7858, 0.5743,
0.3783

 37.7667, 0.2846,
0.3123

 8.5545, 0.5813,
0.3766

 42.1000, 0.2750,
0.3059

 46.7670, 0.2667,
0.3000

 51.7748, 0.2596,
0.2947

Harmonies

Analogous

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



18.3446, 0.3794, 0.3319



18.3446, 0.3881, 0.3624



18.3446, 0.3753, 0.3869

Triad

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



18.3446, 0.3881, 0.3624



18.3446, 0.2736, 0.3571



18.3446, 0.2776, 0.2682

Complementary

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



18.3446, 0.3881, 0.3624



19.8086, 0.2569, 0.2926

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.



18.3446, 0.2523, 0.2710



18.3446, 0.3881, 0.3624



18.3446, 0.2501, 0.3203

Square

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



18.3446, 0.3881, 0.3624



18.3446, 0.3083, 0.3864



18.3446, 0.2426, 0.2890



18.3446, 0.3136, 0.2796

Rectangle

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



18.3446, 0.3881, 0.3624



18.3446, 0.3569, 0.3957



18.3446, 0.2426, 0.2890



18.3446, 0.2676, 0.2674

Sweetspot

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



18.3455, 0.3881, 0.3624



45.6571, 0.3309, 0.3385



15.4302, 0.3424, 0.2669



10.2691, 0.3331, 0.3395



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.



18.3455, 0.3881, 0.3624



29.4484, 0.4117, 0.3700



25.0969, 0.3721, 0.4056



6.1239, 0.3274, 0.3367



7.4615, 0.5803, 0.3774



0.1424, 0.5074, 0.4353

Inverse Universe

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



19.8086, 0.2569, 0.2926



32.4454, 0.2449, 0.2827



13.7194, 0.2493, 0.2384



6.2279, 0.2989, 0.3212



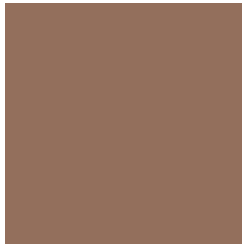
9.1504, 0.1930, 0.2146



0.1672, 0.2090, 0.2723

Previews

White Background



This preview shows how the Yxy color 18.3446, 0.3881, 0.3624 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 18.3446, 0.3881, 0.3624 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

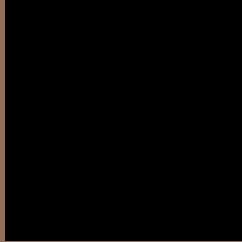
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 18.3446, 0.3881, 0.3624

Background



This preview shows how black text looks on a background with the Yxy color 18.3446, 0.3881, 0.3624.



This preview shows how white text looks on a background with the Yxy color 18.3446, 0.3881, 0.3624.

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

18.3446, 0.3881, 0.3624

Protanopia

18.4738, 0.3497, 0.3732

Deuteranopia

18.3654, 0.3779, 0.3707



Tritanopia

18.3756, 0.3589, 0.3154

Trichromacy



Original Color

18.3446, 0.3881, 0.3624

Protanomaly

18.3853, 0.3632, 0.3681

Deuteranomaly

18.4052, 0.3827, 0.3683

Tritanomaly

18.2947, 0.3697, 0.3326

Monochromacy



Original Color

18.3446, 0.3881, 0.3624

Achromatopsia

18.7821, 0.3127, 0.3290

Achromatomaly

18.5942, 0.3382, 0.3421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 18.3446, 0.3881, 0.3624 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(147, 111, 92)` looks like.

```
.text, #text, p{  
    color:rgb(147, 111, 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(147, 111, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(147, 111, 92) }
```

Border

The CSS property to change the border of an element to Yxy 18.3446, 0.3881, 0.3624 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(147, 111, 92) }
```

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

```
.border{ border-color:rgb(147, 111, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(147, 111, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(147, 111, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(147, 111, 92);  
box-shadow:4px 4px 4px 4px rgb(147, 111,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 18.3446, 0.3881, 0.3624 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(147, 111, 92) }
```

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

```
.background{ background-color: rgb(147,  
111, 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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