

Converting Colors

$Yxy(16.9886, 0.3770, 0.3599)$

Have a look what the booklet for
Yxy(16.9886, 0.3770, 0.3599)
contains.

Yxy(16.9011, 0.3772, 0.3586)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(16.9011, 0.3772, 0.3586)

Conversions

Conversions Part 1

Format	Color
Hex	8A6C5C
RGB	138, 108, 92
RGB Percent	54%, 42%, 36%
CMY	0.4588, 0.5765, 0.6392
CMYK	0.00, 0.22, 0.33, 0.46
HSL	21°, 20%, 45%
HSV	21°, 33%, 54%
XYZ	17.7777, 16.9011, 12.4520
YIQ	115.1460, 23.0160, 1.3840

Conversions

Conversions Part 2

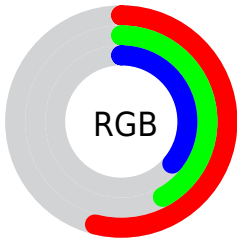
Format	Color
R_{YB}	138, 117, 92
Decimal	9071708
CIE Lab	48.14, 9.50, 13.50
CIE LCh	48, 16.507, 54.864
Yxy	16.9011, 0.3772, 0.3586
Android (android.graphics.Color)	4287261788 (0xFF8A6C5C)
YUV	115.1460, -11.4110, 20.0430
Hunter-Lab	41.1109, 5.2451, 10.8195

Details

The Yxy color **16.9011, 0.3772, 0.3586** is a dark color, and the websafe version is hex **996666**. A complement of this color would be **18.0368, 0.2631, 0.2972**, and the grayscale version is **17.2219, 0.3127, 0.3290**.

A 20% lighter version of the original color is **37.9557, 0.3618, 0.3520**, and **5.5610, 0.4064, 0.3710** is the 20% darker color. If you saturate the color by 10%, you get **14.8797, 0.4035, 0.3677**, and if you desaturate by 10%, it is **19.1643, 0.3543, 0.3493**.

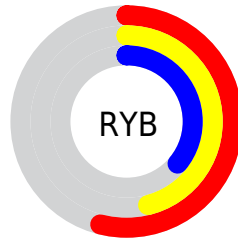
Distribution



Red (54%)

Green (42%)

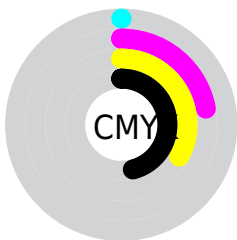
Blue (36%)



Red (54%)

Yellow (46%)

Blue (36%)

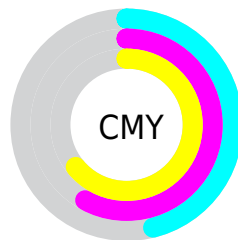


Cyan (0%)

Magenta (22%)

Yellow (33%)

Black (46%)



Cyan (46%)


Magenta (58%)


Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 16.9011, 0.3772, 0.3586 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 16.9011, 0.3772, 0.3586 by changing the saturation by 10% instead.

 16.9011, 0.3772,
0.3586


 16.9011, 0.3772,
0.3586


234.6018, 0.3393,
0.3421

 10.1640, 0.3892,
0.3633

 38.1557, 0.3617,
0.3522


 5.5078, 0.4065,
0.3695

 53.4419, 0.3565,
0.3499

 2.5482, 0.4335,
0.3781

 72.3467, 0.3522,
0.3480

 0.9007, 0.5427,
0.4393

 95.2543, 0.3487,
0.3465

 0.0000, 1.0000,
0.0000

122.5493, 0.3458,
0.3451

 0.0000, 0.0000,
0.0000

154.6159, 0.3433,

0.3440

191.8386, 0.3412,
0.3430

■ 16.9011, 0.3772,
0.3586

■ 16.9011, 0.3772,
0.3586

■ 14.8797, 0.4035,
0.3677

■ 19.1643, 0.3543,
0.3493

■ 13.0894, 0.4331,
0.3760

■ 21.6748, 0.3346,
0.3403

■ 11.5222, 0.4655,
0.3827

■ 24.4408, 0.3178,
0.3317

■ 10.1686, 0.4992,
0.3866

■ 27.4697, 0.3034,
0.3237

■ 9.0183, 0.5321,
0.3866

■ 30.7682, 0.2911,
0.3164

■ 8.0599, 0.5615,
0.3819

■ 34.3430, 0.2806,
0.3096

■ 7.5156, 0.5799,
0.3777

■ 38.2004, 0.2716,
0.3034

■ 42.3467, 0.2639,
0.2978

■ 46.7877, 0.2572,
0.2926

Harmonies

Analogous

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



16.9011, 0.3699, 0.3322



16.9011, 0.3772, 0.3586



16.9011, 0.3662, 0.3791

Triad

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



16.9011, 0.3772, 0.3586



16.9011, 0.2788, 0.3525



16.9011, 0.2830, 0.2764

Complementary

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



16.9011, 0.3772, 0.3586



18.0368, 0.2631, 0.2972

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.



16.9011, 0.2609, 0.2789



16.9011, 0.3772, 0.3586



16.9011, 0.2585, 0.3214

Square

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



16.9011, 0.3772, 0.3586



16.9011, 0.3087, 0.3774



16.9011, 0.2521, 0.2946



16.9011, 0.3141, 0.2865

Rectangle

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



16.9011, 0.3772, 0.3586



16.9011, 0.3504, 0.3861



16.9011, 0.2521, 0.2946



16.9011, 0.2743, 0.2758

Sweetspot

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



16.9019, 0.3772, 0.3586



39.6688, 0.3291, 0.3376



14.4823, 0.3382, 0.2741



8.7683, 0.3312, 0.3386



69.2071, 0.3127, 0.3290



10.0482, 0.3127, 0.3290

Same Dimension

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



16.9019, 0.3772, 0.3586



27.0669, 0.3966, 0.3655



22.2354, 0.3649, 0.3969



5.3144, 0.3272, 0.3367



6.9145, 0.5793, 0.3782



0.0714, 0.5070, 0.4356

Inverse Universe

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



18.0368, 0.2631, 0.2972



29.3743, 0.2523, 0.2887



13.1634, 0.2573, 0.2504



5.4009, 0.2991, 0.3212



8.4210, 0.1929, 0.2144



0.0834, 0.2089, 0.2720

Previews

White Background



This preview shows how the Yxy color 16.9011, 0.3772, 0.3586 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 16.9011, 0.3772, 0.3586 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

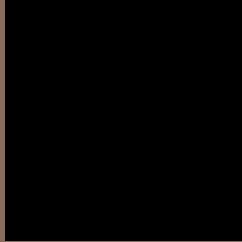
Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

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

Yxy 16.9011, 0.3772, 0.3586

Background



This preview shows how black text looks on a background with the Yxy color 16.9011, 0.3772, 0.3586.



This preview shows how white text looks on a background with the Yxy color 16.9011, 0.3772, 0.3586.

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

16.9011, 0.3772, 0.3586

Protanopia

16.9258, 0.3460, 0.3668

Deuteranopia

16.9111, 0.3689, 0.3631



Tritanopia

16.8709, 0.3516, 0.3147

Trichromacy



Original Color

16.9011, 0.3772, 0.3586

Protanomaly

16.9085, 0.3566, 0.3640

Deuteranomaly

16.8609, 0.3723, 0.3609

Tritanomaly

16.8170, 0.3612, 0.3310

Monochromacy



Original Color

16.9011, 0.3772, 0.3586

Achromatopsia

17.1441, 0.3127, 0.3290

Achromatomaly

16.8608, 0.3339, 0.3388

CSS Examples

Text

The CSS property to change the color of the text to Yxy 16.9011, 0.3772, 0.3586 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(138, 108, 92)` looks like.

```
.text, #text, p{  
    color:rgb(138, 108, 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(138, 108, 92) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(138, 108, 92) }
```

Border

The CSS property to change the border of an element to Yxy 16.9011, 0.3772, 0.3586 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(138, 108, 92) }
```

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

```
.border{ border-color:rgb(138, 108, 92) }
```

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

Here you see how a box with a 4 pixel `rgb(138, 108, 92)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(138, 108, 92); -webkit-box-  
shadow:4px 4px 4px 4px rgb(138, 108, 92);  
box-shadow:4px 4px 4px 4px rgb(138, 108,  
92) }
```


Background

The CSS property to change the background color of an element to Yxy 16.9011, 0.3772, 0.3586 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(138, 108, 92) }
```

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

```
.background{ background-color: rgb(138,  
108, 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](#).

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