

Converting Colors

$Y_{xy}(10.9806, 0.3864, 0.3701)$

Have a look what the booklet for
Yxy(10.9806, 0.3864, 0.3701)
contains.

Yxy(10.9198, 0.3864, 0.3710)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(10.9198, 0.3864, 0.3710)

Conversions

Conversions Part 1

Format	Color
Hex	715845
RGB	113, 88, 69
RGB Percent	44%, 35%, 27%
CMY	0.5569, 0.6549, 0.7294
CMYK	0.00, 0.22, 0.39, 0.56
HSL	26°, 24%, 36%
HSV	26°, 39%, 44%
XYZ	11.3731, 10.9198, 7.1405
YIQ	93.3090, 20.9990, -0.6090

Conversions

Conversions Part 2

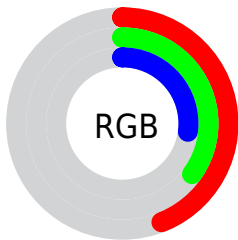
Format	Color
R_{YB}	113, 102, 69
Decimal	7428165
CIE _{Lab}	39.45, 7.40, 14.94
CIE _{LCh}	39, 16.674, 63.656
Yxy	10.9198, 0.3864, 0.3710
Android (android.graphics.Color)	4285618245 (0xFF715845)
YUV	93.3090, -11.9843, 17.2690
Hunter-Lab	33.0451, 3.6050, 10.3199

Details

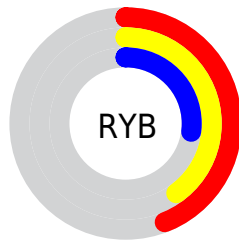
The Yxy color **10.9198, 0.3864, 0.3710** is a dark color, and the websafe version is hex **666666**. A complement of this color would be **10.4620, 0.2548, 0.2824**, and the grayscale version is **11.0475, 0.3127, 0.3290**.

A 20% lighter version of the original color is **27.5683, 0.3675, 0.3615**, and **2.8923, 0.4262, 0.3895** is the 20% darker color. If you saturate the color by 10%, you get **9.7852, 0.4116, 0.3817**, and if you desaturate by 10%, it is **12.1750, 0.3638, 0.3598**.

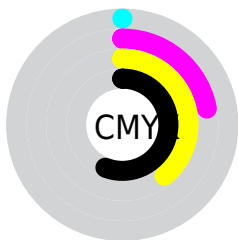
Distribution



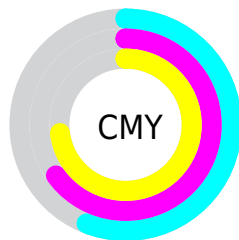
- Red (44%)
- Green (35%)
- Blue (27%)



- Red (44%)
- Yellow (40%)
- Blue (27%)



- Cyan (0%)
- Magenta (22%)
- Yellow (39%)
- Black (56%)





- Cyan (56%)
- Magenta (65%)
- Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 10.9198, 0.3864, 0.3710 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 10.9198, 0.3864, 0.3710 by changing the saturation by 10% instead.


 10.9198, 0.3864,
0.3710


 10.9198, 0.3864,
0.3710


197.1165, 0.3407,
0.3460


 6.0129, 0.4025,
0.3789


 27.5118, 0.3668,
0.3608


 2.8529, 0.4271,
0.3899

 39.9657, 0.3605,
0.3573


 1.0554, 0.5150,
0.4454

 55.7040, 0.3554,
0.3545

 0.0000, 1.0000,
0.0000

 75.1112, 0.3513,
0.3522

 0.0000, 0.0000,
0.0000

 98.5717, 0.3480,
0.3503

126.4698, 0.3451,

0.3486

159.1899, 0.3427,
0.3472

■ 10.9198, 0.3864,
0.3710

■ 10.9198, 0.3864,
0.3710

■ 9.7852, 0.4116,
0.3817

■ 12.1750, 0.3638,
0.3598

■ 8.7657, 0.4391,
0.3912

■ 13.5529, 0.3438,
0.3487

■ 7.8576, 0.4680,
0.3986

■ 15.0576, 0.3264,
0.3380

■ 7.0566, 0.4971,
0.4026

■ 16.6924, 0.3112,
0.3279

■ 6.3578, 0.5245,
0.4024

■ 18.4605, 0.2980,
0.3185

■ 5.7509, 0.5505,
0.3990

■ 20.3651, 0.2866,
0.3098

■ 5.6900, 0.5535,
0.3987

■ 22.4091, 0.2766,
0.3018

■ 24.5954, 0.2680,
0.2944

■ 26.9269, 0.2604,
0.2877

Harmonies

Analogous

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



10.9198, 0.3845, 0.3415



10.9198, 0.3864, 0.3710



10.9198, 0.3676, 0.3920

Triad

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



10.9198, 0.3864, 0.3710



10.9198, 0.2648, 0.3459



10.9198, 0.2878, 0.2702

Complementary

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



10.9198, 0.3864, 0.3710



10.4620, 0.2548, 0.2824

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.



10.9198, 0.2586, 0.2684



10.9198, 0.3864, 0.3710



10.9198, 0.2459, 0.3096

Square

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



10.9198, 0.3864, 0.3710



10.9198, 0.2968, 0.3790



10.9198, 0.2438, 0.2818



10.9198, 0.3256, 0.2856

Rectangle

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



10.9198, 0.3864, 0.3710



10.9198, 0.3465, 0.3970



10.9198, 0.2438, 0.2818



10.9198, 0.2767, 0.2680

Sweetspot

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



10.9203, 0.3864, 0.3710



26.0271, 0.3320, 0.3416



8.5879, 0.3499, 0.2735



5.9620, 0.3336, 0.3426



58.7016, 0.3127, 0.3290



6.8385, 0.3127, 0.3290

Same Dimension

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



10.9203, 0.3864, 0.3710



17.6543, 0.4099, 0.3810



14.9461, 0.3704, 0.4135



3.6165, 0.3265, 0.3381



6.4175, 0.5545, 0.3979



30.3192, 0.5635, 0.3908

Inverse Universe

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



10.4620, 0.2548, 0.2824



16.6986, 0.2412, 0.2690



7.1805, 0.2470, 0.2274



3.5855, 0.2996, 0.3197



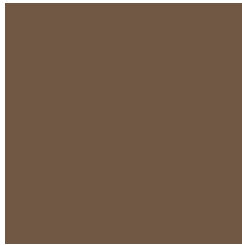
5.4968, 0.1852, 0.1867



25.6436, 0.1829, 0.1784

Previews

White Background



This preview shows how the Yxy color 10.9198, 0.3864, 0.3710 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 10.9198, 0.3864, 0.3710 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 10.9198, 0.3864, 0.3710

Background



This preview shows how black text looks on a background with the Yxy color 10.9198, 0.3864, 0.3710.



This preview shows how white text looks on a background with the Yxy color 10.9198, 0.3864, 0.3710.

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

10.9198, 0.3864, 0.3710

Protanopia

10.9363, 0.3557, 0.3815

Deuteranopia

10.8894, 0.3805, 0.3740



Tritanopia

10.8972, 0.3542, 0.3162

Trichromacy



Original Color

10.9198, 0.3864, 0.3710

Protanomaly

10.8674, 0.3670, 0.3779

Deuteranomaly

10.9539, 0.3822, 0.3737

Tritanomaly

10.8575, 0.3657, 0.3357

Monochromacy



Original Color

10.9198, 0.3864, 0.3710

Achromatopsia

10.9462, 0.3127, 0.3290

Achromatomaly

10.8316, 0.3380, 0.3455

CSS Examples

Text

The CSS property to change the color of the text to Yxy 10.9198, 0.3864, 0.3710 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(113, 88, 69)` looks like.

```
.text, #text, p{  
    color:rgb(113, 88, 69)  
}
```

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(113, 88, 69) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(113, 88, 69) }
```

Border

The CSS property to change the border of an element to Yxy 10.9198, 0.3864, 0.3710 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(113, 88, 69) }
```

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

```
.border{ border-color:rgb(113, 88, 69) }
```

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

Here you see how a box with a 4 pixel rgb(113, 88, 69) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(113, 88, 69); -webkit-box-  
shadow:4px 4px 4px 4px rgb(113, 88, 69);  
box-shadow:4px 4px 4px 4px rgb(113, 88,  
69) }
```


Background

The CSS property to change the background color of an element to Yxy 10.9198, 0.3864, 0.3710 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(113, 88, 69) }
```

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

```
.background{ background-color: rgb(113, 88,  
69) }
```

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