

Converting Colors

$Y_{xy}(29.6520, 0.3783, 0.3844)$

Have a look what the booklet for
Yxy(29.6520, 0.3783, 0.3844)
contains.

Yxy(29.7685, 0.3774, 0.3848)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(29.7685, 0.3774, 0.3848)

Conversions

Conversions Part 1

Format	Color
Hex	A9916C
RGB	169, 145, 108
RGB Percent	66%, 57%, 42%
CMY	0.3372, 0.4314, 0.5764
CMYK	0.00, 0.14, 0.36, 0.34
HSL	36°, 26%, 54%
HSV	36°, 36%, 66%
XYZ	29.1960, 29.7685, 18.3964
YIQ	147.9580, 26.1810, -6.4190

Conversions

Conversions Part 2

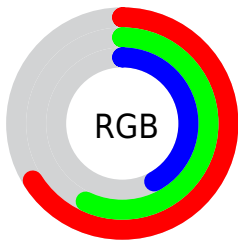
Format	Color
R_{YB}	148, 169, 108
Decimal	11112812
CIE _{Lab}	61.45, 3.51, 22.98
CIE _{LCh}	61, 23.242, 81.313
Yxy	29.7685, 0.3774, 0.3848
Android (android.graphics.Color)	4289302892 (0xFFA9916C)
YUV	147.9580, -19.6993, 18.4538
Hunter-Lab	54.5605, 0.0367, 18.2013

Details

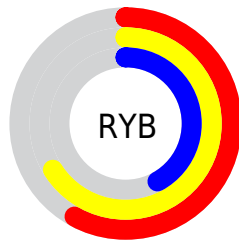
The Yxy color $29.7685, 0.3774, 0.3848$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $22.5606, 0.2544, 0.2657$, and the grayscale version is $29.6726, 0.3127, 0.3290$.

A 20% lighter version of the original color is $59.3925, 0.3639, 0.3738$, and $12.2237, 0.3993, 0.4030$ is the 20% darker color. If you saturate the color by 10%, you get $27.4704, 0.3991, 0.4002$, and if you desaturate by 10%, it is $32.2581, 0.3572, 0.3689$.

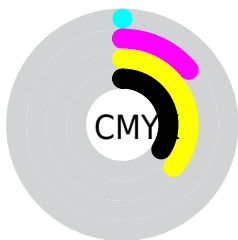
Distribution



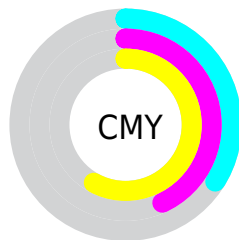
- Red (66%)
- Green (57%)
- Blue (42%)



- Red (58%)
- Yellow (66%)
- Blue (42%)



- Cyan (0%)
- Magenta (14%)
- Yellow (36%)
- Black (34%)





- Cyan (34%)
- Magenta (43%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7685, 0.3774, 0.3848 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 29.7685, 0.3774, 0.3848 by changing the saturation by 10% instead.


 29.7685, 0.3774,
0.3848


 29.7685, 0.3774,
0.3848


300.8239, 0.3428,
0.3554

 19.6629, 0.3867,
0.3925


 59.2959, 0.3643,
0.3738

 12.1503, 0.3990,
0.4024


 79.4865, 0.3595,
0.3698

 6.8461, 0.4159,
0.4158


 103.8076, 0.3556,
0.3664

 3.3660, 0.4399,
0.4339

 132.6435, 0.3522,
0.3636

 1.3257, 0.5092,
0.4908

166.3787, 0.3494,
0.3611

 0.1610, 0.5972,
0.4028

205.3976, 0.3469,

 0.0000, 0.0000,

0.3590

0.0000

250.0845, 0.3447,
0.3571

■ 29.7685, 0.3774,
0.3848

■ 29.7685, 0.3774,
0.3848

■ 27.4704, 0.3991,
0.4002

■ 32.2581, 0.3572,
0.3689

■ 25.3537, 0.4217,
0.4141

■ 34.9409, 0.3387,
0.3531

■ 23.4132, 0.4445,
0.4257


■ 37.8235, 0.3220,
0.3379


■ 21.6418, 0.4664,
0.4336


■ 40.9111, 0.3071,
0.3235

■ 20.0314, 0.4861,
0.4369

■ 44.2086, 0.2939,
0.3100

 18.5720, 0.5029,
0.4352

 47.7206, 0.2821,
0.2975

 18.0356, 0.5092,
0.4339

 51.4518, 0.2718,
0.2860

 55.4063, 0.2626,
0.2755

 59.2546, 0.2572,
0.2711

Harmonies

Analogous

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



29.7685, 0.3881, 0.3594



29.7685, 0.3774, 0.3848



29.7685, 0.3492, 0.3967

Triad

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



29.7685, 0.3774, 0.3848



29.7685, 0.2519, 0.3240



29.7685, 0.3096, 0.2779

Complementary

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



29.7685, 0.3774, 0.3848



22.5606, 0.2544, 0.2657

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.



29.7685, 0.2744, 0.2678



29.7685, 0.3774, 0.3848



29.7685, 0.2427, 0.2918

Square

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



29.7685, 0.3774, 0.3848



29.7685, 0.2768, 0.3607



29.7685, 0.2506, 0.2722



29.7685, 0.3477, 0.2996

Rectangle

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



29.7685, 0.3774, 0.3848



29.7685, 0.3249, 0.3936



29.7685, 0.2506, 0.2722



29.7685, 0.2970, 0.2731

Sweetspot

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



29.7699, 0.3774, 0.3848



65.0522, 0.3303, 0.3456



20.8400, 0.3631, 0.2919



14.0347, 0.3324, 0.3475



84.8088, 0.3127, 0.3290



15.4872, 0.3127, 0.3290

Same Dimension

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



29.7699, 0.3774, 0.3848



50.1197, 0.3939, 0.3967



37.2390, 0.3597, 0.4188



8.2707, 0.3271, 0.3427



13.5468, 0.5080, 0.4349



0.4250, 0.4719, 0.4635

Inverse Universe

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



22.5606, 0.2544, 0.2657



35.3714, 0.2413, 0.2494



17.1765, 0.2547, 0.2246



7.7668, 0.2986, 0.3149



5.1822, 0.1688, 0.1275



0.2262, 0.1877, 0.1957

Previews

White Background



This preview shows how the Yxy color 29.7685, 0.3774, 0.3848 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 29.7685, 0.3774, 0.3848 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

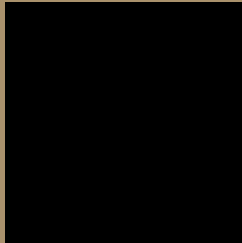
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7685, 0.3774, 0.3848

Background



This preview shows how black text looks on a background with the Yxy color 29.7685, 0.3774, 0.3848.



This preview shows how white text looks on a background with the Yxy color 29.7685, 0.3774, 0.3848.

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

29.7685, 0.3774, 0.3848

Protanopia

29.6549, 0.3636, 0.3900

Deuteranopia

29.6802, 0.3859, 0.3775



Tritanopia

29.6659, 0.3398, 0.3131

Trichromacy



Original Color

29.7685, 0.3774, 0.3848

Protanomaly

29.7581, 0.3686, 0.3876

Deuteranomaly

29.6333, 0.3819, 0.3796

Tritanomaly

29.5697, 0.3533, 0.3380

Monochromacy



Original Color

29.7685, 0.3774, 0.3848

Achromatopsia

29.6138, 0.3127, 0.3290

Achromatomaly

29.6288, 0.3361, 0.3510

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7685, 0.3774, 0.3848 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(169, 145, 108)` looks like.

```
.text, #text, p{  
    color:rgb(169, 145, 108)  
}
```

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(169, 145, 108) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 145, 108) }
```

Border

The CSS property to change the border of an element to Yxy 29.7685, 0.3774, 0.3848 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(169, 145, 108) }
```

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

```
.border{ border-color:rgb(169, 145, 108) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 145, 108)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 145, 108); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 145, 108);  
box-shadow:4px 4px 4px 4px rgb(169, 145,  
108) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7685, 0.3774, 0.3848 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 145, 108) }
```

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

```
.background{ background-color: rgb(169,  
145, 108) }
```

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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