

Converting Colors

$Y_{xy}(27.8694, 0.3410, 0.3768)$

Have a look what the booklet for
Yxy(27.8694, 0.3410, 0.3768)
contains.

Yxy(27.8619, 0.3405, 0.3770)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.8619, 0.3405, 0.3770)

Conversions

Conversions Part 1

Format	Color
Hex	919275
RGB	145, 146, 117
RGB Percent	57%, 57%, 46%
CMY	0.4314, 0.4274, 0.5412
CMYK	0.01, 0.00, 0.20, 0.43
HSL	62°, 12%, 52%
HSV	62°, 20%, 57%
XYZ	25.1644, 27.8619, 20.8779
YIQ	142.3950, 8.7130, -9.2310

Conversions

Conversions Part 2

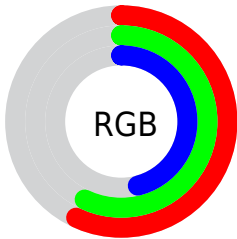
Format	Color
R_YB	117, 146, 118
Decimal	9540213
CIE Lab	59.76, -5.51, 15.30
CIE LCh	60, 16.259, 109.802
Yxy	27.8619, 0.3405, 0.3770
Android (android.graphics.Color)	4287730293 (0xFF919275)
YUV	142.3950, -12.5197, 2.2846
Hunter-Lab	52.7844, -7.2747, 13.4979

Details

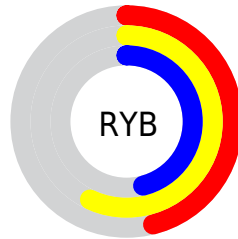
The Yxy color $27.8619, 0.3405, 0.3770$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $18.6486, 0.2820, 0.2764$, and the grayscale version is $27.2625, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.3152, 0.3349, 0.3672$, and $11.1751, 0.3487, 0.3947$ is the 20% darker color. If you saturate the color by 10%, you get $27.4994, 0.3546, 0.4016$, and if you desaturate by 10%, it is $28.2807, 0.3264, 0.3525$.

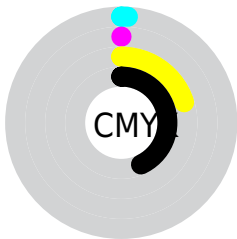
Distribution



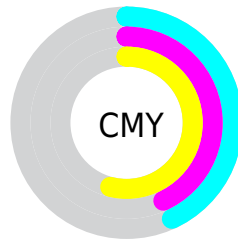
- Red (57%)
- Green (57%)
- Blue (46%)



- Red (46%)
- Yellow (57%)
- Blue (46%)



- Cyan (1%)
- Magenta (0%)
- Yellow (20%)
- Black (43%)





- Cyan (43%)
- Magenta (43%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.8619, 0.3405, 0.3770 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 27.8619, 0.3405, 0.3770 by changing the saturation by 10% instead.


 27.8619, 0.3405,
0.3770

 27.8619, 0.3405,
0.3770


291.8064, 0.3256,
0.3507


 18.2216, 0.3445,
0.3845


 56.2639, 0.3349,
0.3668

 11.1092, 0.3499,
0.3946


 75.7943, 0.3328,
0.3632

 6.1403, 0.3573,
0.4093

 99.3903, 0.3311,
0.3602

 2.9306, 0.3681,
0.4320

127.4362, 0.3297,
0.3576

 1.0956, 0.4263,
0.5225

160.3163, 0.3284,
0.3555

 0.0000, 0.0000,
0.0000

198.4151, 0.3274,

0.3537

242.1170, 0.3265,
0.3521

■ 27.8619, 0.3405,
0.3770

■ 27.8619, 0.3405,
0.3770

■ 27.4994, 0.3546,
0.4016

■ 28.2807, 0.3264,
0.3525

■ 27.1869, 0.3681,
0.4254

■ 28.7543, 0.3125,
0.3287

■ 26.9231, 0.3806,
0.4477

■ 29.2862, 0.2993,
0.3060

■ 26.7051, 0.3916,
0.4674

■ 29.8785, 0.2869,
0.2848

■ 26.5295, 0.4005,
0.4838

■ 30.5331, 0.2753,
0.2651

■ 26.3927, 0.4070,
0.4963

■ 31.2518, 0.2646,
0.2471

■ 26.2906, 0.4111,
0.5047

■ 32.0366, 0.2549,
0.2306

■ 26.2119, 0.4133,
0.5100

■ 32.8890, 0.2461,
0.2157

■ 26.2109, 0.4133,
0.5100

■ 33.8108, 0.2380,
0.2023

Harmonies

Analogous

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



27.8619, 0.3599, 0.3688



27.8619, 0.3405, 0.3770



27.8619, 0.3142, 0.3713

Triad

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



27.8619, 0.3405, 0.3770



27.8619, 0.2618, 0.3038



27.8619, 0.3366, 0.3068

Complementary

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



27.8619, 0.3405, 0.3770



18.6486, 0.2820, 0.2764

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.



27.8619, 0.3094, 0.2910



27.8619, 0.3405, 0.3770



27.8619, 0.2671, 0.2886

Square

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



27.8619, 0.3405, 0.3770



27.8619, 0.2694, 0.3273



27.8619, 0.2841, 0.2843



27.8619, 0.3578, 0.3282

Rectangle

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



27.8619, 0.3405, 0.3770



27.8619, 0.2964, 0.3600



27.8619, 0.2841, 0.2843



27.8619, 0.3278, 0.3007

Sweetspot

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



27.8631, 0.3405, 0.3770



50.1853, 0.3211, 0.3435



20.3429, 0.3502, 0.3308



11.1540, 0.3219, 0.3448



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



27.8631, 0.3405, 0.3770



48.8397, 0.3470, 0.3884



26.6328, 0.3246, 0.3795



6.7343, 0.3254, 0.3509



23.0647, 0.4133, 0.5100



0.2849, 0.4166, 0.5075

Inverse Universe

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



18.6486, 0.2820, 0.2764



29.4506, 0.2737, 0.2625



19.7393, 0.2987, 0.2789



5.6421, 0.2994, 0.3062



1.8576, 0.1515, 0.0608



0.0247, 0.1591, 0.0650

Previews

White Background



This preview shows how the Yxy color 27.8619, 0.3405, 0.3770 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 27.8619, 0.3405, 0.3770 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

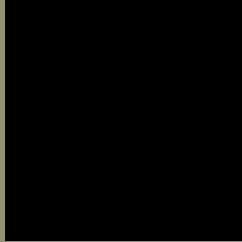
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

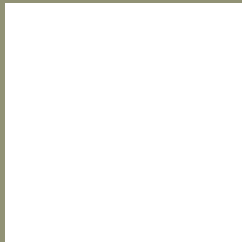
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.8619, 0.3405, 0.3770

Background



This preview shows how black text looks on a background with the Yxy color 27.8619, 0.3405, 0.3770.



This preview shows how white text looks on a background with the Yxy color 27.8619, 0.3405, 0.3770.

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

27.8619, 0.3405, 0.3770

Protanopia

27.9798, 0.3512, 0.3742

Deuteranopia

27.7244, 0.3664, 0.3582



Tritanopia

27.8008, 0.3114, 0.3117

Trichromacy



Original Color

27.8619, 0.3405, 0.3770

Protanomaly

27.9958, 0.3474, 0.3762

Deuteranomaly

27.7287, 0.3570, 0.3654

Tritanomaly

27.8049, 0.3221, 0.3355

Monochromacy



Original Color

27.8619, 0.3405, 0.3770

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.1780, 0.3227, 0.3455

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.8619, 0.3405, 0.3770 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(145, 146, 117)` looks like.

```
.text, #text, p{  
    color:rgb(145, 146, 117)  
}
```

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(145, 146, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(145, 146, 117) }
```

Border

The CSS property to change the border of an element to Yxy 27.8619, 0.3405, 0.3770 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(145, 146, 117) }
```

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

```
.border{ border-color:rgb(145, 146, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(145, 146, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(145, 146, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(145, 146, 117);  
box-shadow:4px 4px 4px 4px rgb(145, 146,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 27.8619, 0.3405, 0.3770 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(145, 146, 117) }
```

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

```
.background{ background-color: rgb(145,  
146, 117) }
```

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