

Converting Colors

$Y_{xy}(27.0867, 0.3207, 0.3805)$

Have a look what the booklet for
Yxy(27.0867, 0.3207, 0.3805)
contains.

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Color

Yxy(27.0770, 0.3206, 0.3813)

Conversions

Conversions Part 1

Format	Color
Hex	809476
RGB	128, 148, 118
RGB Percent	50%, 58%, 46%
CMY	0.4979, 0.4196, 0.5372
CMYK	0.13, 0.00, 0.20, 0.42
HSL	100°, 12%, 52%
HSV	100°, 20%, 58%
XYZ	22.7666, 27.0770, 21.1688
YIQ	138.6000, -2.2900, -13.5700

Conversions

Conversions Part 2

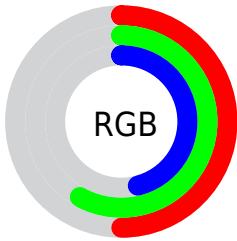
Format	Color
R_{YB}	118, 148, 138
Decimal	8426614
CIE _{Lab}	59.05, -12.95, 13.53
CIE _{LCh}	59, 18.728, 133.757
Yxy	27.0770, 0.3206, 0.3813
Android (android.graphics.Color)	4286616694 (0xFF809476)
YUV	138.6000, -10.1558, -9.2962
Hunter-Lab	52.0356, -12.9651, 12.3049

Details

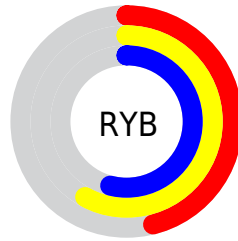
The Yxy color $27.0770, 0.3206, 0.3813$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $20.4976, 0.3030, 0.2785$, and the grayscale version is $25.7005, 0.3127, 0.3290$.

A 20% lighter version of the original color is $54.9671, 0.3193, 0.3701$, and $10.6538, 0.3228, 0.3997$ is the 20% darker color. If you saturate the color by 10%, you get $26.0260, 0.3241, 0.4105$, and if you desaturate by 10%, it is $28.2597, 0.3168, 0.3542$.

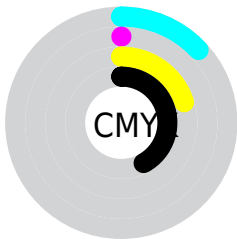
Distribution



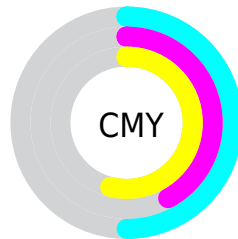
- Red (50%)
- Green (58%)
- Blue (46%)



- Red (46%)
- Yellow (58%)
- Blue (54%)



- Cyan (13%)
- Magenta (0%)
- Yellow (20%)
- Black (42%)





- Cyan (50%)
- Magenta (42%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0770, 0.3206, 0.3813 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 27.0770, 0.3206, 0.3813 by changing the saturation by 10% instead.


 27.0770, 0.3206,
0.3813


 27.0770, 0.3206,
0.3813


288.0297, 0.3167,
0.3521


 17.6311, 0.3215,
0.3898


 55.0074, 0.3192,
0.3698

 10.6854, 0.3226,
0.4017


 74.2607, 0.3187,
0.3658

 5.8557, 0.3238,
0.4191

 97.5518, 0.3182,
0.3625

 2.7576, 0.3249,
0.4473

125.2652, 0.3178,
0.3597

 1.0065, 0.3557,
0.5633

157.7854, 0.3175,
0.3574

 0.0000, 0.0000,
0.0000

195.4965, 0.3172,

0.3553

238.7832, 0.3169,
0.3536

■ 27.0770, 0.3206,
0.3813

■ 27.0770, 0.3206,
0.3813

■ 26.0260, 0.3241,
0.4105

■ 28.2597, 0.3168,
0.3542

■ 25.0986, 0.3269,
0.4413

■ 29.5750, 0.3128,
0.3296

■ 24.2909, 0.3288,
0.4726

■ 31.0283, 0.3088,
0.3075

■ 23.5976, 0.3295,
0.5031

■ 32.6236, 0.3050,
0.2877

■ 23.0129, 0.3288,
0.5310

■ 34.3648, 0.3012,
0.2703

■ 22.5305, 0.3265,
0.5547

■ 36.2555, 0.2977,
0.2548

■ 22.1431, 0.3227,
0.5726

■ 38.2992, 0.2944,
0.2412

■ 21.8431, 0.3184,
0.5854

■ 40.4995, 0.2912,
0.2291

■ 42.8596, 0.2883,
0.2185

Harmonies

Analogous

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



27.0770, 0.3503, 0.3842



27.0770, 0.3206, 0.3813



27.0770, 0.2898, 0.3620

Triad

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



27.0770, 0.3206, 0.3813



27.0770, 0.2576, 0.2846



27.0770, 0.3613, 0.3226

Complementary

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



27.0770, 0.3206, 0.3813



20.4976, 0.3030, 0.2785

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.



27.0770, 0.3343, 0.2990



27.0770, 0.3206, 0.3813



27.0770, 0.2746, 0.2773

Square

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



27.0770, 0.3206, 0.3813



27.0770, 0.2545, 0.3043



27.0770, 0.3024, 0.2828



27.0770, 0.3747, 0.3486

Rectangle

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



27.0770, 0.3206, 0.3813



27.0770, 0.2727, 0.3430



27.0770, 0.3024, 0.2828



27.0770, 0.3534, 0.3142

Sweetspot

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



27.0782, 0.3206, 0.3813



50.7994, 0.3152, 0.3437



25.6372, 0.3454, 0.3614



11.5663, 0.3154, 0.3452



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.



27.0782, 0.3206, 0.3813



46.9719, 0.3221, 0.3934



26.4478, 0.3060, 0.3746



6.5570, 0.3164, 0.3515



18.6730, 0.3188, 0.5851



0.2434, 0.3521, 0.5587

Inverse Universe

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



20.4976, 0.3030, 0.2785



33.3489, 0.3006, 0.2674



21.2528, 0.3202, 0.2873



5.8130, 0.3087, 0.3068



4.0836, 0.2400, 0.1096



0.0662, 0.2788, 0.1309

Previews

White Background



This preview shows how the Yxy color 27.0770, 0.3206, 0.3813 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 27.0770, 0.3206, 0.3813 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

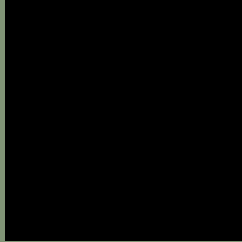
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

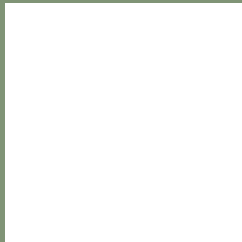
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.0770, 0.3206, 0.3813

Background



This preview shows how black text looks on a background with the Yxy color 27.0770, 0.3206, 0.3813.



This preview shows how white text looks on a background with the Yxy color 27.0770, 0.3206, 0.3813.

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

27.0770, 0.3206, 0.3813

Protanopia

27.0678, 0.3495, 0.3732

Deuteranopia

26.7509, 0.3614, 0.3541



Tritanopia

27.0463, 0.2930, 0.3109

Trichromacy



Original Color

27.0770, 0.3206, 0.3813

Protanomaly

26.9583, 0.3387, 0.3761

Deuteranomaly

26.5721, 0.3459, 0.3635

Tritanomaly

27.0794, 0.3031, 0.3357

Monochromacy



Original Color

27.0770, 0.3206, 0.3813

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.1356, 0.3161, 0.3477

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0770, 0.3206, 0.3813 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(128, 148, 118)` looks like.

```
.text, #text, p{  
    color:rgb(128, 148, 118)  
}
```

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(128, 148, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(128, 148, 118) }
```

Border

The CSS property to change the border of an element to Yxy 27.0770, 0.3206, 0.3813 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(128, 148, 118) }
```

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

```
.border{ border-color:rgb(128, 148, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(128, 148, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(128, 148, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(128, 148, 118);  
box-shadow:4px 4px 4px 4px rgb(128, 148,  
118) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0770, 0.3206, 0.3813 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(128, 148, 118) }
```

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

```
.background{ background-color: rgb(128,  
148, 118) }
```

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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