

Converting Colors

$Y_{xy}(27.0277, 0.3700, 0.4284)$

Have a look what the booklet for
Yxy(27.0277, 0.3700, 0.4284)
contains.

Yxy(27.1589, 0.3699, 0.4282)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(27.1589, 0.3699, 0.4282)$

Conversions

Conversions Part 1

Format	Color
Hex	909256
RGB	144, 146, 86
RGB Percent	56%, 57%, 34%
CMY	0.4352, 0.4274, 0.6628
CMYK	0.01, 0.00, 0.41, 0.43
HSL	62°, 26%, 45%
HSV	62°, 41%, 57%
XYZ	23.4612, 27.1589, 12.8057
YIQ	138.5620, 18.0680, -19.0840

Conversions

Conversions Part 2

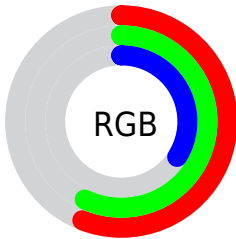
Format	Color
R_{YB}	86, 146, 88
Decimal	9474646
CIE _{Lab}	59.12, -10.15, 31.53
CIE _{LCh}	59, 33.124, 107.846
Yxy	27.1589, 0.3699, 0.4282
Android (android.graphics.Color)	4287664726 (0xFF909256)
YUV	138.5620, -25.9131, 4.7691
Hunter-Lab	52.1142, -10.8413, 21.9110

Details

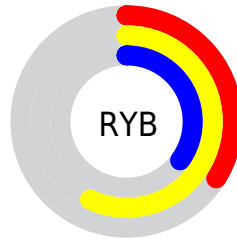
The Yxy color $27.1589, 0.3699, 0.4282$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $10.8014, 0.2413, 0.2079$, and the grayscale version is $25.7384, 0.3127, 0.3290$.

A 20% lighter version of the original color is $55.2568, 0.3589, 0.4071$, and $10.7875, 0.3850, 0.4634$ is the 20% darker color. If you saturate the color by 10%, you get $26.9049, 0.3823, 0.4502$, and if you desaturate by 10%, it is $27.4636, 0.3564, 0.4045$.

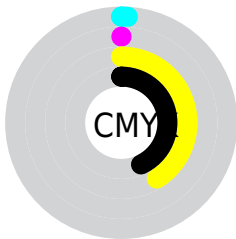
Distribution



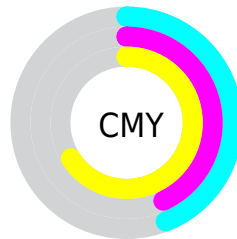
- Red (56%)
- Green (57%)
- Blue (34%)



- Red (34%)
- Yellow (57%)
- Blue (35%)



- Cyan (1%)
- Magenta (0%)
- Yellow (41%)
- Black (43%)





- Cyan (44%)
- Magenta (43%)
- Yellow (66%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.1589, 0.3699, 0.4282 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 27.1589, 0.3699, 0.4282 by changing the saturation by 10% instead.


 27.1589, 0.3699,
0.4282


 27.1589, 0.3699,
0.4282


288.4257, 0.3402,
0.3737

 17.6926, 0.3772,
0.4433


 55.1387, 0.3590,
0.4073

 10.7295, 0.3862,
0.4632


 74.4211, 0.3550,
0.3997

 5.8853, 0.3970,
0.4906

 97.7442, 0.3515,
0.3935

 2.7754, 0.4269,
0.5531

 125.4925, 0.3486,
0.3883

 1.0156, 0.4121,
0.5879

 158.0504, 0.3460,
0.3838

 0.0000, 0.0000,
0.0000

195.8023, 0.3438,

0.3800

239.1326, 0.3419,
0.3766

■ 27.1589, 0.3699,
0.4282

■ 27.1589, 0.3699,
0.4282

■ 26.9049, 0.3823,
0.4502

■ 27.4636, 0.3564,
0.4045

■ 26.6950, 0.3930,
0.4695

■ 27.8180, 0.3423,
0.3800

■ 26.5271, 0.4017,
0.4854


■ 28.2259, 0.3281,
0.3555


■ 26.3976, 0.4079,
0.4973


■ 28.6896, 0.3142,
0.3316

■ 26.3020, 0.4117,
0.5052


■ 29.2113, 0.3009,
0.3088

 26.2352, 0.4137,
0.5097

 29.7930, 0.2883,
0.2873

 30.4368, 0.2766,
0.2674

 31.1445, 0.2658,
0.2492

 31.9179, 0.2559,
0.2325

Harmonies

Analogous

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



27.1589, 0.4098, 0.4044



27.1589, 0.3699, 0.4282



27.1589, 0.3167, 0.4221

Triad

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



27.1589, 0.3699, 0.4282



27.1589, 0.2132, 0.2777



27.1589, 0.3574, 0.2825

Complementary

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



27.1589, 0.3699, 0.4282



10.8014, 0.2413, 0.2079

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.



27.1589, 0.3008, 0.2541



27.1589, 0.3699, 0.4282



27.1589, 0.2216, 0.2489

Square

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



27.1589, 0.3699, 0.4282



27.1589, 0.2281, 0.3263



27.1589, 0.2521, 0.2418



27.1589, 0.4041, 0.3217

Rectangle

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



27.1589, 0.3699, 0.4282



27.1589, 0.2811, 0.3987



27.1589, 0.2521, 0.2418



27.1589, 0.3387, 0.2716

Sweetspot

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



27.1601, 0.3699, 0.4282



49.7065, 0.3297, 0.3583



13.5963, 0.4125, 0.3311



11.0390, 0.3313, 0.3610



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.



27.1601, 0.3699, 0.4282



47.5088, 0.3810, 0.4478



24.8740, 0.3368, 0.4402



6.7350, 0.3255, 0.3509



23.0887, 0.4137, 0.5097



0.2851, 0.4167, 0.5073

Inverse Universe

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



10.8014, 0.2413, 0.2079



14.7398, 0.2230, 0.1773



12.5095, 0.2774, 0.2190



5.6416, 0.2994, 0.3062



1.8557, 0.1514, 0.0608



0.0245, 0.1586, 0.0647

Previews

White Background



This preview shows how the Yxy color 27.1589, 0.3699, 0.4282 looks on a white background.

Color Contrast Check

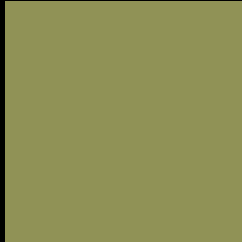
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.1589, 0.3699, 0.4282 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

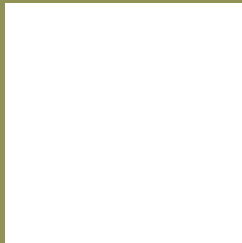
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.1589, 0.3699, 0.4282

Background



This preview shows how black text looks on a background with the Yxy color 27.1589, 0.3699, 0.4282.



This preview shows how white text looks on a background with the Yxy color 27.1589, 0.3699, 0.4282.

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

27.1589, 0.3699, 0.4282

Protanopia

27.0698, 0.3874, 0.4191

Deuteranopia

27.0836, 0.4076, 0.4002



Tritanopia

27.2145, 0.3156, 0.3133

Trichromacy



Original Color

27.1589, 0.3699, 0.4282

Protanomaly

26.9762, 0.3820, 0.4222

Deuteranomaly

27.1257, 0.3939, 0.4110

Tritanomaly

27.1483, 0.3356, 0.3552

Monochromacy



Original Color

27.1589, 0.3699, 0.4282

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

26.3648, 0.3340, 0.3662

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.1589, 0.3699, 0.4282 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(144, 146, 86)` looks like.

```
.text, #text, p{  
    color:rgb(144, 146, 86)  
}
```

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(144, 146, 86) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(144, 146, 86) }
```

Border

The CSS property to change the border of an element to Yxy 27.1589, 0.3699, 0.4282 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(144, 146, 86) }
```

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

```
.border{ border-color:rgb(144, 146, 86) }
```

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

Here you see how a box with a 4 pixel rgb(144, 146, 86) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(144, 146, 86); -webkit-box-  
shadow:4px 4px 4px 4px rgb(144, 146, 86);  
box-shadow:4px 4px 4px 4px rgb(144, 146,  
86) }
```


Background

The CSS property to change the background color of an element to Yxy 27.1589, 0.3699, 0.4282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(144, 146, 86) }
```

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

```
.background{ background-color: rgb(144,  
146, 86) }
```

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