

Converting Colors

$Y_{xy}(27.0980, 0.3914, 0.3885)$

Have a look what the booklet for
Yxy(27.0980, 0.3914, 0.3885)
contains.

Yxy(27.0980, 0.3914, 0.3885)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.0980, 0.3914, 0.3885)

Conversions

Conversions Part 1

Format	Color
Hex	A88962
RGB	168, 137, 98
RGB Percent	66%, 54%, 38%
CMY	0.3412, 0.4627, 0.6156
CMYK	0.00, 0.18, 0.42, 0.34
HSL	33°, 29%, 52%
HSV	33°, 42%, 66%
XYZ	27.3003, 27.0980, 15.3520
YIQ	141.8230, 30.9950, -5.5570

Conversions

Conversions Part 2

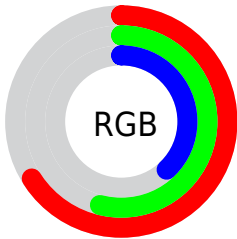
Format	Color
RYB	154, 168, 98
Decimal	11045218
CIELab	59.06, 6.34, 25.33
CIELCh	59, 26.109, 75.941
Yxy	27.0980, 0.3914, 0.3885
Android (android.graphics.Color)	4289235298 (0xFFA88962)
YUV	141.8230, -21.6047, 22.9572
Hunter-Lab	52.0557, 2.5156, 18.9535

Details

The Yxy color $27.0980, 0.3914, 0.3885$ is a dark color, and the websafe version is hex `CC9966`. A complement of this color would be $21.1326, 0.2459, 0.2604$, and the grayscale version is $27.0559, 0.3127, 0.3290$.

A 20% lighter version of the original color is $54.8441, 0.3749, 0.3768$, and $10.6328, 0.4180, 0.4061$ is the 20% darker color. If you saturate the color by 10%, you get $24.7708, 0.4151, 0.4021$, and if you desaturate by 10%, it is $29.6404, 0.3693, 0.3740$.

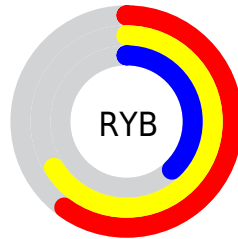
Distribution



Red (66%)

Green (54%)

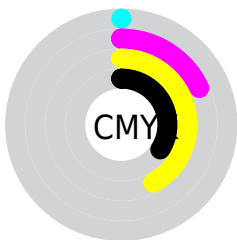
Blue (38%)



Red (60%)

Yellow (66%)

Blue (38%)

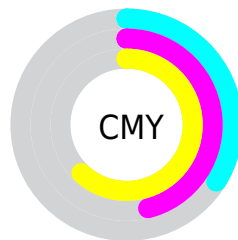


Cyan (0%)

Magenta (18%)

Yellow (42%)

Black (34%)



Cyan (34%)


Magenta (46%)


Yellow (62%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.0980, 0.3914, 0.3885 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 27.0980, 0.3914, 0.3885 by changing the saturation by 10% instead.

 27.0980, 0.3914,
0.3885


 27.0980, 0.3914,
0.3885


288.1313, 0.3487,
0.3572


 17.6468, 0.4031,
0.3965


 55.0411, 0.3751,
0.3769


 10.6967, 0.4185,
0.4068


 74.3018, 0.3692,
0.3726

 5.8633, 0.4398,
0.4202

 97.6012, 0.3643,
0.3690

 2.7621, 0.4745,
0.4413

 125.3235, 0.3602,
0.3659

 1.0088, 0.5300,
0.4700

157.8533, 0.3567,
0.3633

 0.0000, 1.0000,
0.0000

195.5750, 0.3537,

 0.0000, 0.0000,

0.3610

0.0000

238.8728, 0.3510,
0.3590

■ 27.0980, 0.3914,
0.3885

■ 27.0980, 0.3914,
0.3885

■ 24.7708, 0.4151,
0.4021

■ 29.6404, 0.3693,
0.3740

■ 22.6477, 0.4397,
0.4138

■ 32.4008, 0.3493,
0.3593

■ 20.7225, 0.4642,
0.4225

■ 35.3869, 0.3312,
0.3449

■ 18.9866, 0.4874,
0.4270

■ 38.6045, 0.3152,
0.3312

■ 17.4305, 0.5079,
0.4264

■ 42.0594, 0.3010,
0.3183

■ 16.2554, 0.5232,
0.4228

■ 45.7571, 0.2886,
0.3064

■ 49.7029, 0.2776,
0.2954

■ 53.9019, 0.2680,
0.2853

■ 58.3589, 0.2596,
0.2760

Harmonies

Analogous

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



27.0980, 0.3998, 0.3571



27.0980, 0.3914, 0.3885



27.0980, 0.3614, 0.4067

Triad

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



27.0980, 0.3914, 0.3885



27.0980, 0.2465, 0.3305



27.0980, 0.3010, 0.2674

Complementary

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



27.0980, 0.3914, 0.3885



21.1326, 0.2459, 0.2604

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.



27.0980, 0.2624, 0.2585



27.0980, 0.3914, 0.3885



27.0980, 0.2328, 0.2912

Square

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



27.0980, 0.3914, 0.3885



27.0980, 0.2776, 0.3730



27.0980, 0.2384, 0.2662



27.0980, 0.3455, 0.2900

Rectangle

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



27.0980, 0.3914, 0.3885



27.0980, 0.3341, 0.4066



27.0980, 0.2384, 0.2662



27.0980, 0.2869, 0.2627

Sweetspot

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



27.0993, 0.3914, 0.3885



63.8933, 0.3322, 0.3457



18.6636, 0.3690, 0.2809



13.7766, 0.3343, 0.3474



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.



27.0993, 0.3914, 0.3885



45.2461, 0.4133, 0.4012



36.8357, 0.3700, 0.4310



8.2092, 0.3272, 0.3416



12.3782, 0.5219, 0.4238



0.4007, 0.4799, 0.4572

Inverse Universe

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



21.1326, 0.2459, 0.2604



32.9542, 0.2308, 0.2417



14.3638, 0.2404, 0.2047



7.8271, 0.2987, 0.3161



5.9758, 0.1729, 0.1423



0.2481, 0.1911, 0.2081

Previews

White Background



This preview shows how the Yxy color 27.0980, 0.3914, 0.3885 looks on a white background.

Color Contrast Check

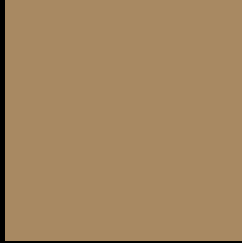
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.0980, 0.3914, 0.3885 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

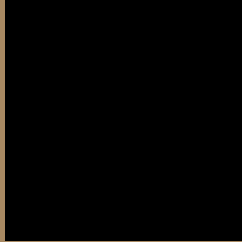
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.0980, 0.3914, 0.3885

Background



This preview shows how black text looks on a background with the Yxy color 27.0980, 0.3914, 0.3885.



This preview shows how white text looks on a background with the Yxy color 27.0980, 0.3914, 0.3885.

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

27.0980, 0.3914, 0.3885

Protanopia

27.1361, 0.3699, 0.3967

Deuteranopia

27.0362, 0.3944, 0.3865



Tritanopia

26.9562, 0.3482, 0.3128

Trichromacy



Original Color

27.0980, 0.3914, 0.3885

Protanomaly

27.0279, 0.3779, 0.3939

Deuteranomaly

26.9252, 0.3932, 0.3868

Tritanomaly

26.9393, 0.3650, 0.3397

Monochromacy



Original Color

27.0980, 0.3914, 0.3885

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

26.8418, 0.3395, 0.3518

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.0980, 0.3914, 0.3885 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(168, 137, 98)` looks like.

```
.text, #text, p{  
    color:rgb(168, 137, 98)  
}
```

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(168, 137, 98) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(168, 137, 98) }
```

Border

The CSS property to change the border of an element to Yxy 27.0980, 0.3914, 0.3885 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(168, 137, 98) }
```

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

```
.border{ border-color:rgb(168, 137, 98) }
```

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

Here you see how a box with a 4 pixel `rgb(168, 137, 98)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(168, 137, 98); -webkit-box-  
shadow:4px 4px 4px 4px rgb(168, 137, 98);  
box-shadow:4px 4px 4px 4px rgb(168, 137,  
98) }
```


Background

The CSS property to change the background color of an element to Yxy 27.0980, 0.3914, 0.3885 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(168, 137, 98) }
```

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

```
.background{ background-color: rgb(168,  
137, 98) }
```

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