

Converting Colors

$Y_{xy}(27.5571, 0.3194, 0.3694)$

Have a look what the booklet for
Yxy(27.5571, 0.3194, 0.3694)
contains.

Yxy(27.6216, 0.3201, 0.3700)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(27.6216, 0.3201, 0.3700)

Conversions

Conversions Part 1

Format	Color
Hex	85947C
RGB	133, 148, 124
RGB Percent	52%, 58%, 49%
CMY	0.4785, 0.4196, 0.5138
CMYK	0.10, 0.00, 0.16, 0.42
HSL	98°, 10%, 53%
HSV	98°, 16%, 58%
XYZ	23.8964, 27.6216, 23.1350
YIQ	140.7790, -1.2360, -10.6440

Conversions

Conversions Part 2

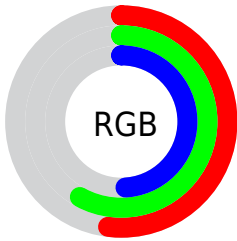
Format	Color
RYB	124, 148, 139
Decimal	8754300
CIELab	59.55, -10.05, 10.91
CIElCh	60, 14.833, 132.665
Yxy	27.6216, 0.3201, 0.3700
Android (android.graphics.Color)	4286944380 (0xFF85947C)
YUV	140.7790, -8.2720, -6.8222
Hunter-Lab	52.5563, -10.8126, 10.6903

Details

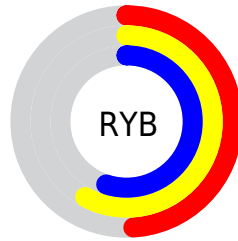
The Yxy color **27.6216, 0.3201, 0.3700** is a dark color, and the websafe version is hex **999999**. A complement of this color would be **22.0409, 0.3041, 0.2889**, and the grayscale version is **26.5766, 0.3127, 0.3290**.

A 20% lighter version of the original color is **55.8545, 0.3182, 0.3605**, and **10.8964, 0.3221, 0.3852** is the 20% darker color. If you saturate the color by 10%, you get **26.5550, 0.3244, 0.3982**, and if you desaturate by 10%, it is **28.8133, 0.3156, 0.3440**.

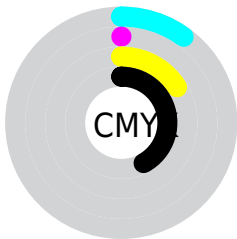
Distribution



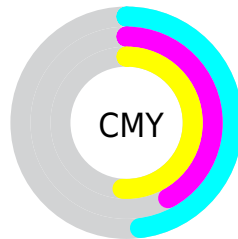
- Red (52%)
- Green (58%)
- Blue (49%)



- Red (49%)
- Yellow (58%)
- Blue (55%)



- Cyan (10%)
- Magenta (0%)
- Yellow (16%)
- Black (42%)





- Cyan (48%)
- Magenta (42%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.6216, 0.3201, 0.3700 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 27.6216, 0.3201, 0.3700 by changing the saturation by 10% instead.


 27.6216, 0.3201,
0.3700


 27.6216, 0.3201,
0.3700


290.6543, 0.3163,
0.3473

 18.0406, 0.3211,
0.3766


 55.8797, 0.3187,
0.3611

 10.9791, 0.3223,
0.3856


 75.3257, 0.3182,
0.3580

 6.0528, 0.3238,
0.3989


 98.8287, 0.3178,
0.3554

 2.8772, 0.3258,
0.4201

126.7733, 0.3174,
0.3532

 1.0680, 0.3427,
0.4821

159.5437, 0.3171,
0.3514

 0.0000, 0.0000,
0.0000

197.5244, 0.3168,

0.3498

241.0998, 0.3165,
0.3485

■ 27.6216, 0.3201,
0.3700

■ 27.6216, 0.3201,
0.3700

■ 26.5550, 0.3244,
0.3982

■ 28.8133, 0.3156,
0.3440

■ 25.6058, 0.3281,
0.4281

■ 30.1306, 0.3110,
0.3204

■ 24.7706, 0.3310,
0.4588

■ 31.5784, 0.3065,
0.2992

■ 24.0447, 0.3328,
0.4893

■ 33.1603, 0.3021,
0.2803

■ 23.4230, 0.3331,
0.5179

■ 34.8800, 0.2979,
0.2634

■ 22.8997, 0.3317,
0.5430

■ 36.7406, 0.2940,
0.2486

■ 22.4686, 0.3286,
0.5630

■ 38.7454, 0.2903,
0.2354

■ 22.1211, 0.3241,
0.5774

■ 40.8976, 0.2869,
0.2238

■ 22.0061, 0.3224,
0.5822

■ 43.0579, 0.2853,
0.2153

Harmonies

Analogous

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



27.6216, 0.3432, 0.3722



27.6216, 0.3201, 0.3700



27.6216, 0.2956, 0.3554

Triad

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



27.6216, 0.3201, 0.3700



27.6216, 0.2686, 0.2944



27.6216, 0.3502, 0.3234

Complementary

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



27.6216, 0.3201, 0.3700



22.0409, 0.3041, 0.2889

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.



27.6216, 0.3289, 0.3046



27.6216, 0.3201, 0.3700



27.6216, 0.2820, 0.2880

Square

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



27.6216, 0.3201, 0.3700



27.6216, 0.2666, 0.3107



27.6216, 0.3038, 0.2918



27.6216, 0.3612, 0.3442

Rectangle

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



27.6216, 0.3201, 0.3700



27.6216, 0.2818, 0.3410



27.6216, 0.3038, 0.2918



27.6216, 0.3440, 0.3167

Sweetspot

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



27.6228, 0.3201, 0.3700



51.0824, 0.3151, 0.3412



26.1598, 0.3386, 0.3535



11.6285, 0.3154, 0.3428



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.



27.6228, 0.3201, 0.3700



48.1145, 0.3215, 0.3786



26.9945, 0.3081, 0.3661



6.5678, 0.3169, 0.3515



18.8078, 0.3229, 0.5819



0.2460, 0.3572, 0.5546

Inverse Universe

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



22.0409, 0.3041, 0.2889



36.6110, 0.3022, 0.2806



22.7591, 0.3177, 0.2945



5.8019, 0.3081, 0.3068



3.8143, 0.2310, 0.1046



0.0636, 0.2731, 0.1278

Previews

White Background



This preview shows how the Yxy color 27.6216, 0.3201, 0.3700 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 27.6216, 0.3201, 0.3700 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

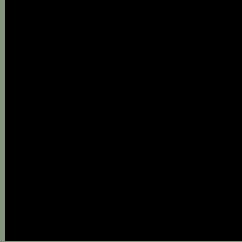
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

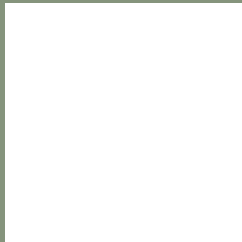
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 27.6216, 0.3201, 0.3700

Background



This preview shows how black text looks on a background with the Yxy color 27.6216, 0.3201, 0.3700.



This preview shows how white text looks on a background with the Yxy color 27.6216, 0.3201, 0.3700.

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

27.6216, 0.3201, 0.3700

Protanopia

27.6047, 0.3440, 0.3647

Deuteranopia

27.4698, 0.3539, 0.3477



Tritanopia

27.7163, 0.2961, 0.3112

Trichromacy



Original Color

27.6216, 0.3201, 0.3700

Protanomaly

27.5852, 0.3346, 0.3671

Deuteranomaly

27.5021, 0.3412, 0.3565

Tritanomaly

27.4987, 0.3043, 0.3306

Monochromacy



Original Color

27.6216, 0.3201, 0.3700

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.0991, 0.3152, 0.3440

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.6216, 0.3201, 0.3700 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(133, 148, 124)` looks like.

```
.text, #text, p{  
    color:rgb(133, 148, 124)  
}
```

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(133, 148, 124) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 148, 124) }
```

Border

The CSS property to change the border of an element to Yxy 27.6216, 0.3201, 0.3700 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(133, 148, 124) }
```

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

```
.border{ border-color:rgb(133, 148, 124) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 148, 124)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 148, 124); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 148, 124);  
box-shadow:4px 4px 4px 4px rgb(133, 148,  
124) }
```


Background

The CSS property to change the background color of an element to Yxy 27.6216, 0.3201, 0.3700 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 148, 124) }
```

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

```
.background{ background-color: rgb(133,  
148, 124) }
```

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