

Converting Colors

$Y_{xy}(27.9682, 0.3404, 0.4050)$

Have a look what the booklet for
Yxy(27.9682, 0.3404, 0.4050)
contains.

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Color

Yxy(27.9835, 0.3400, 0.4058)

Conversions

Conversions Part 1

Format	Color
Hex	879669
RGB	135, 150, 105
RGB Percent	53%, 59%, 41%
CMY	0.4706, 0.4117, 0.5882
CMYK	0.10, 0.00, 0.30, 0.41
HSL	80°, 18%, 50%
HSV	80°, 30%, 59%
XYZ	23.4460, 27.9835, 17.5293
YIQ	140.3850, 5.5050, -17.1750

Conversions

Conversions Part 2

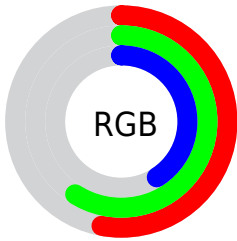
Format	Color
RYB	105, 150, 120
Decimal	8885865
CIELab	59.87, -13.46, 22.02
CIELCh	60, 25.807, 121.447
Yxy	27.9835, 0.3400, 0.4058
Android (android.graphics.Color)	4287075945 (0xFF879669)
YUV	140.3850, -17.4448, -4.7226
Hunter-Lab	52.8994, -13.4595, 17.3826

Details

The Yxy color $27.9835, 0.3400, 0.4058$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $16.2995, 0.2789, 0.2483$, and the grayscale version is $26.4504, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.4389, 0.3349, 0.3883$, and $11.1504, 0.3488, 0.4347$ is the 20% darker color. If you saturate the color by 10%, you get $27.2975, 0.3483, 0.4330$, and if you desaturate by 10%, it is $28.7459, 0.3311, 0.3790$.

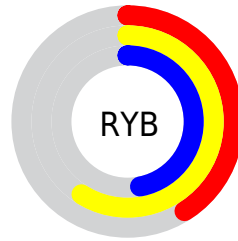
Distribution



Red (53%)

Green (59%)

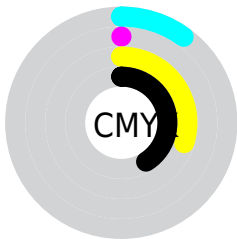
Blue (41%)



Red (41%)

Yellow (59%)

Blue (47%)

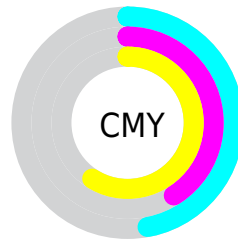


Cyan (10%)

Magenta (0%)

Yellow (30%)

Black (41%)



Cyan (47%)


Magenta (41%)


Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 27.9835, 0.3400, 0.4058 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 27.9835, 0.3400, 0.4058 by changing the saturation by 10% instead.


 27.9835, 0.3400,
0.4058


 27.9835, 0.3400,
0.4058


292.3881, 0.3260,
0.3631

 18.3132, 0.3435,
0.4181

 56.4581, 0.3349,
0.3891


 11.1751, 0.3478,
0.4348


 76.0312, 0.3330,
0.3832

 6.1847, 0.3531,
0.4590

 99.6740, 0.3313,
0.3784

 2.9577, 0.3593,
0.4968

 127.7710, 0.3300,
0.3743

 1.1097, 0.3903,
0.6097

160.7065, 0.3288,
0.3709

 0.0000, 0.0000,
0.0000

198.8649, 0.3277,

0.3679

242.6306, 0.3268,
0.3654

■ 27.9835, 0.3400,
0.4058

■ 27.9835, 0.3400,
0.4058

■ 27.2975, 0.3483,
0.4330

■ 28.7459, 0.3311,
0.3790

■ 26.6810, 0.3555,
0.4598

■ 29.5840, 0.3219,
0.3532

■ 26.1320, 0.3612,
0.4849


■ 30.5016, 0.3127,
0.3290

■ 25.6467, 0.3649,
0.5073


■ 31.5014, 0.3038,
0.3066

■ 25.2209, 0.3663,
0.5259


■ 32.5859, 0.2953,
0.2860


 24.8497, 0.3653,
0.5399

 33.7572, 0.2873,
0.2673

 24.5213, 0.3626,
0.5503

 35.0178, 0.2798,
0.2505

 36.3698, 0.2729,
0.2353

 37.8151, 0.2665,
0.2216

Harmonies

Analogous

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



27.9835, 0.3767, 0.3987



27.9835, 0.3400, 0.4058



27.9835, 0.2975, 0.3883

Triad

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



27.9835, 0.3400, 0.4058



27.9835, 0.2349, 0.2774



27.9835, 0.3654, 0.3062

Complementary

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



27.9835, 0.3400, 0.4058



16.2995, 0.2789, 0.2483

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.



27.9835, 0.3238, 0.2786



27.9835, 0.3400, 0.4058



27.9835, 0.2500, 0.2615

Square

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



27.9835, 0.3400, 0.4058



27.9835, 0.2386, 0.3094



27.9835, 0.2816, 0.2625



27.9835, 0.3928, 0.3399

Rectangle

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



27.9835, 0.3400, 0.4058



27.9835, 0.2718, 0.3649



27.9835, 0.2816, 0.2625



27.9835, 0.3525, 0.2960

Sweetspot

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



27.9847, 0.3400, 0.4058



52.3321, 0.3211, 0.3512



20.9379, 0.3700, 0.3547



11.5518, 0.3223, 0.3545



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.



27.9847, 0.3400, 0.4058



48.5543, 0.3457, 0.4241



26.3126, 0.3162, 0.4118



6.6487, 0.3211, 0.3512



20.3532, 0.3630, 0.5500



0.2653, 0.3900, 0.5285

Inverse Universe

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



16.2995, 0.2789, 0.2483



24.5417, 0.2694, 0.2279



18.1007, 0.3066, 0.2546



5.7214, 0.3038, 0.3065



2.4061, 0.1768, 0.0747



0.0443, 0.2243, 0.1009

Previews

White Background



This preview shows how the Yxy color 27.9835, 0.3400, 0.4058 looks on a white background.

Color Contrast Check

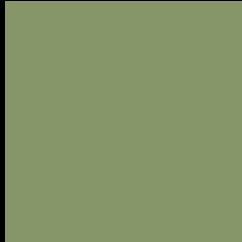
Large Text (above 18pt) WCAG AA ✓ Pass

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 27.9835, 0.3400, 0.4058 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 27.9835, 0.3400, 0.4058

Background



This preview shows how black text looks on a background with the Yxy color 27.9835, 0.3400, 0.4058.



This preview shows how white text looks on a background with the Yxy color 27.9835, 0.3400, 0.4058.

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

27.9835, 0.3400, 0.4058

Protanopia

27.8744, 0.3680, 0.3962

Deuteranopia

27.8057, 0.3822, 0.3746



Tritanopia

28.0639, 0.3001, 0.3114

Trichromacy



Original Color

27.9835, 0.3400, 0.4058

Protanomaly

27.8329, 0.3580, 0.3995

Deuteranomaly

27.5756, 0.3661, 0.3848

Tritanomaly

27.8529, 0.3141, 0.3439

Monochromacy



Original Color

27.9835, 0.3400, 0.4058

Achromatopsia

26.2251, 0.3127, 0.3290

Achromatomaly

26.8821, 0.3231, 0.3577

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9835, 0.3400, 0.4058 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(135, 150, 105)` looks like.

```
.text, #text, p{  
    color:rgb(135, 150, 105)  
}
```

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(135, 150, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(135, 150, 105) }
```

Border

The CSS property to change the border of an element to Yxy 27.9835, 0.3400, 0.4058 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(135, 150, 105) }
```

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

```
.border{ border-color:rgb(135, 150, 105) }
```

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

Here you see how a box with a 4 pixel rgb(135, 150, 105) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(135, 150, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(135, 150, 105);  
box-shadow:4px 4px 4px 4px rgb(135, 150,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9835, 0.3400, 0.4058 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(135, 150, 105) }
```

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

```
.background{ background-color: rgb(135,  
150, 105) }
```

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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