

Converting Colors

$Yxy(28.2352, 0.3384, 0.3984)$

Have a look what the booklet for
Yxy(28.2352, 0.3384, 0.3984)
contains.

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Color

Yxy(28.2352, 0.3384, 0.3984)

Conversions

Conversions Part 1

Format	Color
Hex	89966D
RGB	137, 150, 109
RGB Percent	54%, 59%, 43%
CMY	0.4628, 0.4117, 0.5726
CMYK	0.09, 0.00, 0.27, 0.41
HSL	79°, 16%, 51%
HSV	79°, 27%, 59%
XYZ	23.9829, 28.2352, 18.6534
YIQ	141.4390, 5.4130, -15.5070

Conversions

Conversions Part 2

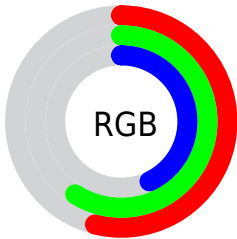
Format	Color
RYB	109, 150, 122
Decimal	9016941
CIELab	60.10, -12.07, 20.13
CIELCh	60, 23.469, 120.938
Yxy	28.2352, 0.3384, 0.3984
Android (android.graphics.Color)	4287207021 (0xFF89966D)
YUV	141.4390, -15.9924, -3.8930
Hunter-Lab	53.1368, -12.4247, 16.3823

Details

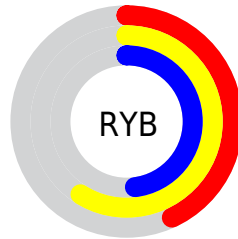
The Yxy color $28.2352, 0.3384, 0.3984$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $17.2773, 0.2816, 0.2561$, and the grayscale version is $26.8804, 0.3127, 0.3290$.

A 20% lighter version of the original color is $56.8353, 0.3336, 0.3829$, and $11.2868, 0.3468, 0.4239$ is the 20% darker color. If you saturate the color by 10%, you get $27.5472, 0.3472, 0.4254$, and if you desaturate by 10%, it is $28.9986, 0.3291, 0.3719$.

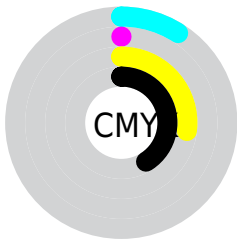
Distribution



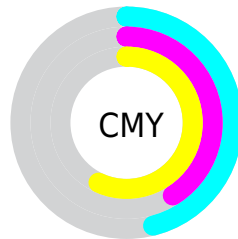
- Red (54%)
- Green (59%)
- Blue (43%)



- Red (43%)
- Yellow (59%)
- Blue (48%)



- Cyan (9%)
- Magenta (0%)
- Yellow (27%)
- Black (41%)





- Cyan (46%)
- Magenta (41%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.2352, 0.3384, 0.3984 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 28.2352, 0.3384, 0.3984 by changing the saturation by 10% instead.


 28.2352, 0.3384,
0.3984


 28.2352, 0.3384,
0.3984


293.5891, 0.3251,
0.3599


 18.5030, 0.3418,
0.4094


 56.8597, 0.3335,
0.3834


 11.3117, 0.3460,
0.4245


 76.5209, 0.3317,
0.3781

 6.2769, 0.3515,
0.4462


 100.2605, 0.3302,
0.3737

 3.0142, 0.3581,
0.4800

 128.4629, 0.3288,
0.3701

 1.1391, 0.4028,
0.5972

161.5126, 0.3277,
0.3670

 0.0111, 0.0000,
1.0000

199.7940, 0.3267,

 0.0000, 0.0000,

0.3643

0.0000

243.6913, 0.3259,
0.3620

■ 28.2352, 0.3384,
0.3984

■ 28.2352, 0.3384,
0.3984

■ 27.5472, 0.3472,
0.4254

■ 28.9986, 0.3291,
0.3719

■ 26.9278, 0.3550,
0.4522

■ 29.8364, 0.3196,
0.3466

■ 26.3749, 0.3615,
0.4776

■ 30.7526, 0.3102,
0.3228

■ 25.8851, 0.3660,
0.5005

■ 31.7496, 0.3012,
0.3009

■ 25.4542, 0.3683,
0.5199

■ 32.8298, 0.2926,
0.2808

■ 25.0777, 0.3682,
0.5348

■ 33.9956, 0.2845,
0.2625

■ 24.7476, 0.3660,
0.5455

■ 35.2491, 0.2770,
0.2460

■ 24.6639, 0.3653,
0.5482

■ 36.5924, 0.2701,
0.2312

■ 38.0275, 0.2636,
0.2179

Harmonies

Analogous

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



28.2352, 0.3714, 0.3922



28.2352, 0.3384, 0.3984



28.2352, 0.2998, 0.3828

Triad

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



28.2352, 0.3384, 0.3984



28.2352, 0.2416, 0.2826



28.2352, 0.3600, 0.3078

Complementary

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



28.2352, 0.3384, 0.3984



17.2773, 0.2816, 0.2561

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.



28.2352, 0.3222, 0.2826



28.2352, 0.3384, 0.3984



28.2352, 0.2552, 0.2676

Square

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



28.2352, 0.3384, 0.3984



28.2352, 0.2453, 0.3121



28.2352, 0.2840, 0.2681



28.2352, 0.3850, 0.3388

Rectangle

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



28.2352, 0.3384, 0.3984



28.2352, 0.2762, 0.3620



28.2352, 0.2840, 0.2681



28.2352, 0.3482, 0.2985

Sweetspot

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



28.2364, 0.3384, 0.3984



52.5247, 0.3204, 0.3486



21.5038, 0.3641, 0.3511



11.5930, 0.3217, 0.3521



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.



28.2364, 0.3384, 0.3984



49.0453, 0.3440, 0.4155



26.6667, 0.3167, 0.4033



6.6534, 0.3214, 0.3512



20.4720, 0.3657, 0.5479



0.2664, 0.3917, 0.5272

Inverse Universe

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



17.2773, 0.2816, 0.2561



26.3068, 0.2728, 0.2370



18.9333, 0.3064, 0.2612



5.7169, 0.3035, 0.3065



2.3546, 0.1745, 0.0735



0.0432, 0.2212, 0.0992

Previews

White Background



This preview shows how the Yxy color 28.2352, 0.3384, 0.3984 looks on a white background.

Color Contrast Check

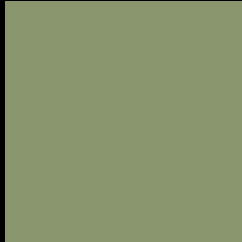
Large Text (above 18pt) WCAG AA ✓ Pass

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 28.2352, 0.3384, 0.3984 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

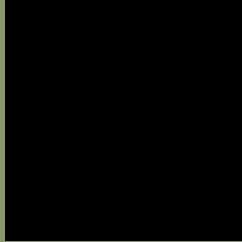
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.2352, 0.3384, 0.3984

Background



This preview shows how black text looks on a background with the Yxy color 28.2352, 0.3384, 0.3984.



This preview shows how white text looks on a background with the Yxy color 28.2352, 0.3384, 0.3984.

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

28.2352, 0.3384, 0.3984

Protanopia

27.9766, 0.3629, 0.3883

Deuteranopia

28.1590, 0.3784, 0.3715



Tritanopia

28.1527, 0.3011, 0.3115

Trichromacy



Original Color

28.2352, 0.3384, 0.3984

Protanomaly

27.9364, 0.3530, 0.3913

Deuteranomaly

28.0398, 0.3636, 0.3813

Tritanomaly

28.0555, 0.3152, 0.3421

Monochromacy



Original Color

28.2352, 0.3384, 0.3984

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

27.1069, 0.3233, 0.3541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.2352, 0.3384, 0.3984 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(137, 150, 109)` looks like.

```
.text, #text, p{  
    color:rgb(137, 150, 109)  
}
```

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(137, 150, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(137, 150, 109) }
```

Border

The CSS property to change the border of an element to Yxy 28.2352, 0.3384, 0.3984 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(137, 150, 109) }
```

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

```
.border{ border-color:rgb(137, 150, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(137, 150, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(137, 150, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(137, 150, 109);  
box-shadow:4px 4px 4px 4px rgb(137, 150,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 28.2352, 0.3384, 0.3984 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(137, 150, 109) }
```

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

```
.background{ background-color: rgb(137,  
150, 109) }
```

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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