

Converting Colors

$Yxy(28.8961, 0.3324, 0.4022)$

Have a look what the booklet for
Yxy(28.8961, 0.3324, 0.4022)
contains.

Yxy(28.8948, 0.3324, 0.4022)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.8948, 0.3324, 0.4022)

Conversions

Conversions Part 1

Format	Color
Hex	85996E
RGB	133, 153, 110
RGB Percent	52%, 60%, 43%
CMY	0.4784, 0.4000, 0.5687
CMYK	0.13, 0.00, 0.28, 0.40
HSL	88°, 17%, 52%
HSV	88°, 28%, 60%
XYZ	23.8802, 28.8948, 19.0668
YIQ	142.1180, 1.8830, -17.6130

Conversions

Conversions Part 2

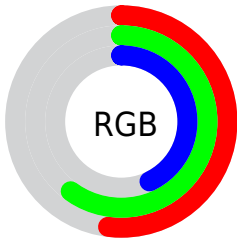
Format	Color
RYB	110, 153, 130
Decimal	8755566
CIELab	60.69, -15.05, 20.33
CIElCh	61, 25.295, 126.517
Yxy	28.8948, 0.3324, 0.4022
Android (android.graphics.Color)	4286945646 (0xFF85996E)
YUV	142.1180, -15.8342, -7.9965
Hunter-Lab	53.7539, -14.7704, 16.5972

Details

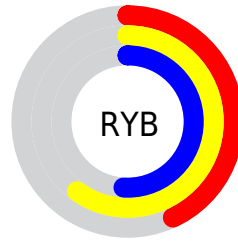
The Yxy color $28.8948, 0.3324, 0.4022$ is a dark color, and the websafe version is hex 999966 . A complement of this color would be $18.1927, 0.2879, 0.2552$, and the grayscale version is $27.1641, 0.3127, 0.3290$.

A 20% lighter version of the original color is $57.7991, 0.3291, 0.3857$, and $11.6895, 0.3377, 0.4296$ is the 20% darker color. If you saturate the color by 10%, you get $28.0319, 0.3386, 0.4308$, and if you desaturate by 10%, it is $29.8569, 0.3256, 0.3746$.

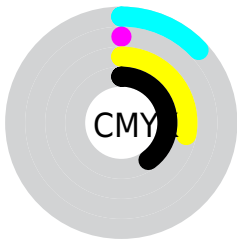
Distribution



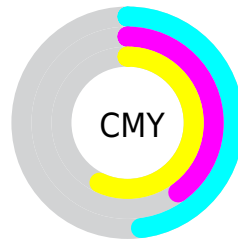
- Red (52%)
- Green (60%)
- Blue (43%)



- Red (43%)
- Yellow (60%)
- Blue (51%)



- Cyan (13%)
- Magenta (0%)
- Yellow (28%)
- Black (40%)





- Cyan (48%)
- Magenta (40%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.8948, 0.3324, 0.4022 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 28.8948, 0.3324, 0.4022 by changing the saturation by 10% instead.

 28.8948, 0.3324,
0.4022


 28.8948, 0.3324,
0.4022


296.7183, 0.3225,
0.3616


 19.0013, 0.3348,
0.4139


 57.9099, 0.3289,
0.3864


 11.6712, 0.3376,
0.4299


 77.8002, 0.3275,
0.3807

 6.5202, 0.3410,
0.4530


 101.7916, 0.3264,
0.3761

 3.1639, 0.3444,
0.4891

 130.2685, 0.3254,
0.3723

 1.2179, 0.3834,
0.6166

163.6152, 0.3245,
0.3690

 0.0762, 0.0000,
1.0000

202.2161, 0.3238,

 0.0000, 0.0000,

0.3662

0.0000

246.4557, 0.3231,
0.3637

■ 28.8948, 0.3324,
0.4022

■ 28.8948, 0.3324,
0.4022

■ 28.0319, 0.3386,
0.4308

■ 29.8569, 0.3256,
0.3746

■ 27.2607, 0.3439,
0.4596

■ 30.9180, 0.3185,
0.3486

■ 26.5785, 0.3477,
0.4874

■ 32.0825, 0.3114,
0.3246

■ 25.9808, 0.3497,
0.5128

■ 33.3537, 0.3044,
0.3027

■ 25.4629, 0.3497,
0.5346

■ 34.7344, 0.2978,
0.2828

■ 25.0192, 0.3474,
0.5517

■ 36.2276, 0.2915,
0.2650

■ 24.6399, 0.3433,
0.5640

■ 37.8360, 0.2856,
0.2490

■ 24.5729, 0.3425,
0.5662

■ 39.5623, 0.2801,
0.2347

■ 41.4089, 0.2750,
0.2220

Harmonies

Analogous

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



28.8948, 0.3697, 0.3993



28.8948, 0.3324, 0.4022



28.8948, 0.2914, 0.3813

Triad

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



28.8948, 0.3324, 0.4022



28.8948, 0.2383, 0.2751



28.8948, 0.3696, 0.3121

Complementary

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



28.8948, 0.3324, 0.4022



18.1927, 0.2879, 0.2552

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.



28.8948, 0.3307, 0.2839



28.8948, 0.3324, 0.4022



28.8948, 0.2560, 0.2624

Square

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



28.8948, 0.3324, 0.4022



28.8948, 0.2388, 0.3039



28.8948, 0.2890, 0.2661



28.8948, 0.3928, 0.3455

Rectangle

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



28.8948, 0.3324, 0.4022



28.8948, 0.2674, 0.3571



28.8948, 0.2890, 0.2661



28.8948, 0.3578, 0.3019

Sweetspot

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



28.8961, 0.3324, 0.4022



55.3616, 0.3185, 0.3488



23.6890, 0.3635, 0.3611



12.1628, 0.3195, 0.3523



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



28.8961, 0.3324, 0.4022



50.7154, 0.3366, 0.4209



27.3618, 0.3111, 0.4072



7.0802, 0.3193, 0.3514



20.3291, 0.3430, 0.5658



0.3256, 0.3753, 0.5402

Inverse Universe

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



18.1927, 0.2879, 0.2552



28.1789, 0.2807, 0.2362



20.0142, 0.3132, 0.2606



6.1599, 0.3057, 0.3065



3.0298, 0.1978, 0.0863



0.0666, 0.2463, 0.1131

Previews

White Background



This preview shows how the Yxy color 28.8948, 0.3324, 0.4022 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 28.8948, 0.3324, 0.4022 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

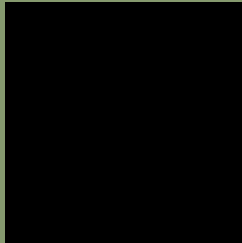
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.8948, 0.3324, 0.4022

Background



This preview shows how black text looks on a background with the Yxy color 28.8948, 0.3324, 0.4022.



This preview shows how white text looks on a background with the Yxy color 28.8948, 0.3324, 0.4022.

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

28.8948, 0.3324, 0.4022

Protanopia

28.7874, 0.3643, 0.3907

Deuteranopia

28.6063, 0.3768, 0.3697



Tritanopia

28.9115, 0.2954, 0.3115

Trichromacy



Original Color

28.8948, 0.3324, 0.4022

Protanomaly

28.8735, 0.3519, 0.3958

Deuteranomaly

28.5887, 0.3595, 0.3813

Tritanomaly

28.7363, 0.3080, 0.3421

Monochromacy



Original Color

28.8948, 0.3324, 0.4022

Achromatopsia

27.0498, 0.3127, 0.3290

Achromatomaly

27.6584, 0.3209, 0.3557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.8948, 0.3324, 0.4022 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, 153, 110)` looks like.

```
.text, #text, p{  
    color:rgb(133, 153, 110)  
}
```

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, 153, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(133, 153, 110) }
```

Border

The CSS property to change the border of an element to Yxy 28.8948, 0.3324, 0.4022 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, 153, 110) }
```

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

```
.border{ border-color:rgb(133, 153, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(133, 153, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(133, 153, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(133, 153, 110);  
box-shadow:4px 4px 4px 4px rgb(133, 153,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 28.8948, 0.3324, 0.4022 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(133, 153, 110) }
```

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

```
.background{ background-color: rgb(133,  
153, 110) }
```

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