

Converting Colors

Yxy(64.0658, 0.3544, 0.3904)

Have a look what the booklet for
Yxy(64.0658, 0.3544, 0.3904)
contains.

Yxy(64.3419, 0.3543, 0.3902)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(64.3419, 0.3543, 0.3902)

Conversions

Conversions Part 1

Format	Color
Hex	D9D49F
RGB	217, 212, 159
RGB Percent	85%, 83%, 62%
CMY	0.1489, 0.1686, 0.3766
CMYK	0.00, 0.02, 0.27, 0.15
HSL	55°, 43%, 74%
HSV	55°, 27%, 85%
XYZ	58.4222, 64.3419, 42.1306
YIQ	207.4530, 19.9930, -15.4230

Conversions

Conversions Part 2

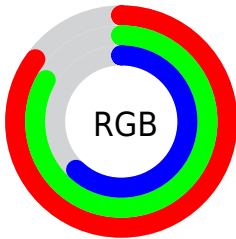
Format	Color
RYB	164, 217, 159
Decimal	14275743
CIELab	84.14, -6.53, 26.92
CIELCh	84, 27.702, 103.630
Yxy	64.3419, 0.3543, 0.3902
Android (android.graphics.Color)	4292465823 (0xFFD9D49F)
YUV	207.4530, -23.8873, 8.3727
Hunter-Lab	80.2134, -10.3658, 25.0084

Details

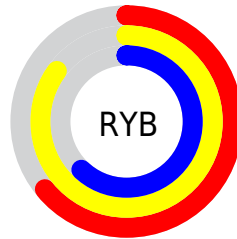
The Yxy color $64.3419, 0.3543, 0.3902$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $38.9361, 0.2671, 0.2594$, and the grayscale version is $62.8549, 0.3127, 0.3290$.

A 20% lighter version of the original color is $97.6350, 0.3370, 0.3691$, and $33.0923, 0.3633, 0.4065$ is the 20% darker color. If you saturate the color by 10%, you get $62.7208, 0.3703, 0.4130$, and if you desaturate by 10%, it is $66.1120, 0.3383, 0.3670$.

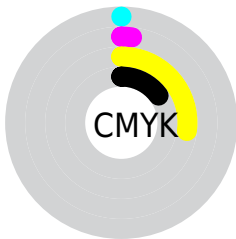
Distribution



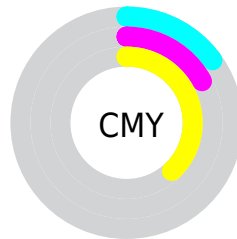
- Red (85%)
- Green (83%)
- Blue (62%)



- Red (64%)
- Yellow (85%)
- Blue (62%)



- Cyan (0%)
- Magenta (2%)
- Yellow (27%)
- Black (15%)





- Cyan (15%)
- Magenta (17%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.3419, 0.3543, 0.3902 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 64.3419, 0.3543, 0.3902 by changing the saturation by 10% instead.

 64.3419, 0.3543,
0.3902


 64.3419, 0.3543,
0.3902


440.4233, 0.3350,
0.3610

 46.9276, 0.3587,
0.3970

 111.1032, 0.3476,
0.3799

 32.9785, 0.3640,
0.4055


 141.2190, 0.3450,
0.3760

 22.1099, 0.3707,
0.4164

176.3375, 0.3428,
0.3726

 13.9377, 0.3791,
0.4306

216.8430, 0.3408,
0.3697

 8.0774, 0.3901,
0.4500

263.1199, 0.3391,
0.3671

 4.1445, 0.4042,
0.4773

315.5527, 0.3376,

 1.7547, 0.4488,

0.3648

0.5512

374.5257, 0.3362,
0.3628

0.4587, 0.3762,
0.6238

0.0000, 0.0000,
0.0000

64.3419, 0.3543,
0.3902

64.3419, 0.3543,
0.3902

62.7208, 0.3703,
0.4130

66.1120, 0.3383,
0.3670

61.2332, 0.3857,
0.4344

68.0289, 0.3228,
0.3440

59.8742, 0.4000,
0.4536

70.1016, 0.3080,
0.3219

58.6356, 0.4124,
0.4695

72.3357, 0.2942,
0.3010

■ 57.5078, 0.4224,
0.4813

■ 73.9054, 0.2887,
0.2938

■ 56.4797, 0.4297,
0.4887

■ 74.9073, 0.2888,
0.2958

■ 55.5372, 0.4343,
0.4918

■ 75.9205, 0.2889,
0.2978

■ 55.2410, 0.4356,
0.4924

■ 76.9448, 0.2889,
0.2998

■ 77.9804, 0.2890,
0.3018

Harmonies

Analogous

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



64.3419, 0.3767, 0.3756



64.3419, 0.3543, 0.3902



64.3419, 0.3214, 0.3874

Triad

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



64.3419, 0.3543, 0.3902



64.3419, 0.2485, 0.3016



64.3419, 0.3364, 0.2958

Complementary

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



64.3419, 0.3543, 0.3902



38.9361, 0.2671, 0.2594

Split Complementary

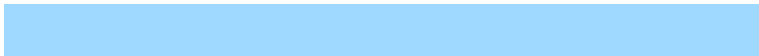
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



64.3419, 0.3010, 0.2781



64.3419, 0.3543, 0.3902



64.3419, 0.2518, 0.2799

Square

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



64.3419, 0.3543, 0.3902



64.3419, 0.2611, 0.3333



64.3419, 0.2705, 0.2720



64.3419, 0.3665, 0.3216

Rectangle

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



64.3419, 0.3543, 0.3902



64.3419, 0.2983, 0.3748



64.3419, 0.2705, 0.2720



64.3419, 0.3246, 0.2888

Sweetspot

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



64.3448, 0.3543, 0.3902



97.6315, 0.3248, 0.3470



42.2545, 0.3643, 0.3221



20.8053, 0.3271, 0.3505



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



64.3448, 0.3543, 0.3902



91.3803, 0.3632, 0.4029



63.5890, 0.3348, 0.3996



15.0606, 0.3269, 0.3501



33.5074, 0.4353, 0.4926



2.2287, 0.4324, 0.4949

Inverse Universe

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



38.9361, 0.2671, 0.2594



48.9852, 0.2562, 0.2424



39.7700, 0.2855, 0.2565



12.7978, 0.2981, 0.3069



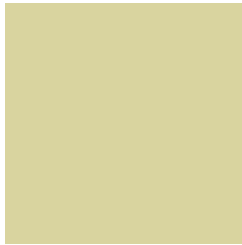
3.3754, 0.1517, 0.0660



0.2829, 0.1563, 0.0828

Previews

White Background



This preview shows how the Yxy color 64.3419, 0.3543, 0.3902 looks on a white background.

Color Contrast Check

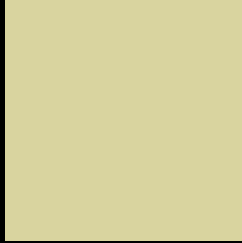
Large Text (above 18pt) WCAG AA × Fail

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 64.3419, 0.3543, 0.3902 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

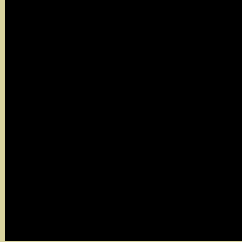
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

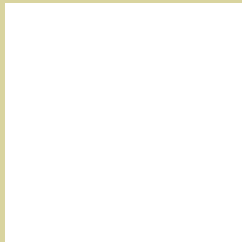
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 64.3419, 0.3543, 0.3902

Background



This preview shows how black text looks on a background with the Yxy color 64.3419, 0.3543, 0.3902.



This preview shows how white text looks on a background with the Yxy color 64.3419, 0.3543, 0.3902.

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

64.3419, 0.3543, 0.3902

Protanopia

64.5694, 0.3620, 0.3879

Deuteranopia

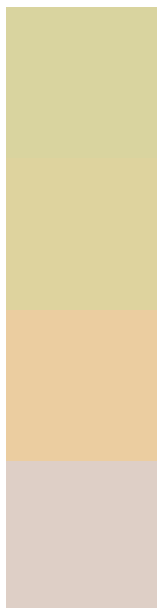
63.9393, 0.3801, 0.3720



Tritanopia

64.3606, 0.3173, 0.3115

Trichromacy



Original Color

64.3419, 0.3543, 0.3902

Protanomaly

64.5867, 0.3593, 0.3894

Deuteranomaly

63.8629, 0.3703, 0.3788

Tritanomaly

64.2325, 0.3307, 0.3392

Monochromacy



Original Color

64.3419, 0.3543, 0.3902

Achromatopsia

62.3960, 0.3127, 0.3290

Achromatomaly

63.1675, 0.3277, 0.3511

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.3419, 0.3543, 0.3902 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(217, 212, 159)` looks like.

```
.text, #text, p{  
    color:rgb(217, 212, 159)  
}
```

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(217, 212, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 212, 159) }
```

Border

The CSS property to change the border of an element to Yxy 64.3419, 0.3543, 0.3902 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(217, 212, 159) }
```

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

```
.border{ border-color:rgb(217, 212, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 212, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 212, 159); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 212, 159);  
box-shadow:4px 4px 4px 4px rgb(217, 212,  
159) }
```


Background

The CSS property to change the background color of an element to Yxy 64.3419, 0.3543, 0.3902 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 212, 159) }
```

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

```
.background{ background-color: rgb(217,  
212, 159) }
```

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