

Converting Colors

Yxy(58.1448, 0.3512, 0.3930)

Have a look what the booklet for
Yxy(58.1448, 0.3512, 0.3930)
contains.

Yxy(58.2575, 0.3516, 0.3933)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(58.2575, 0.3516, 0.3933)

Conversions

Conversions Part 1

Format	Color
Hex	C4CC97
RGB	204, 204, 151
RGB Percent	80%, 80%, 59%
CMY	0.2000, 0.2000, 0.4078
CMYK	0.00, 0.00, 0.26, 0.20
HSL	60°, 34%, 70%
HSV	60°, 26%, 80%
XYZ	52.0807, 58.2575, 37.7866
YIQ	197.9580, 17.0130, -16.4830

Conversions

Conversions Part 2

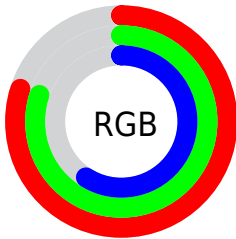
Format	Color
R _{YB}	151, 204, 151
Decimal	13421719
CIE Lab	80.88, -8.44, 26.49
CIE LCh	81, 27.803, 107.679
Yxy	58.2575, 0.3516, 0.3933
Android (android.graphics.Color)	4291611799 (0xFFCCCC97)
YUV	197.9580, -23.1503, 5.2988
Hunter-Lab	76.3266, -11.7739, 24.0762

Details

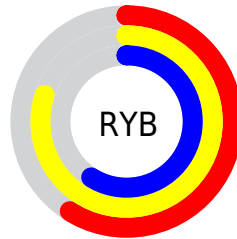
The Yxy color $58.2575, 0.3516, 0.3933$ is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be $33.0828, 0.2682, 0.2555$, and the grayscale version is $56.5825, 0.3127, 0.3290$.

A 20% lighter version of the original color is $97.2362, 0.3418, 0.3770$, and $29.1224, 0.3603, 0.4099$ is the 20% darker color. If you saturate the color by 10%, you get $57.6528, 0.3664, 0.4177$, and if you desaturate by 10%, it is $58.9821, 0.3365, 0.3683$.

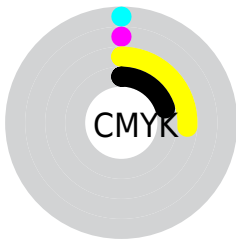
Distribution



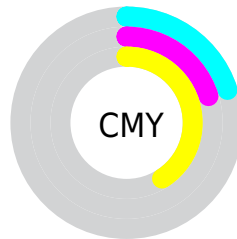
- Red (80%)
- Green (80%)
- Blue (59%)



- Red (59%)
- Yellow (80%)
- Blue (59%)



- Cyan (0%)
- Magenta (0%)
- Yellow (26%)
- Black (20%)




- Cyan (20%)
- Magenta (20%)
- Yellow (41%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 58.2575, 0.3516, 0.3933 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 58.2575, 0.3516, 0.3933 by changing the saturation by 10% instead.


 58.2575, 0.3516,
0.3933


 58.2575, 0.3516,
0.3933


418.1448, 0.3333,
0.3620

 42.0157, 0.3558,
0.4008


 102.2977, 0.3452,
0.3821

 29.1136, 0.3609,
0.4103


 130.8650, 0.3428,
0.3779

 19.1668, 0.3673,
0.4225


164.3095, 0.3407,
0.3742

 11.7908, 0.3754,
0.4388

203.0156, 0.3388,
0.3711

 6.6014, 0.3859,
0.4615

247.3678, 0.3372,
0.3684

 3.2141, 0.4007,
0.4966

297.7505, 0.3358,

 1.2445, 0.4310,

0.3660

0.5690

354.5480, 0.3345,
0.3639

0.0976, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

58.2575, 0.3516,
0.3933

58.2575, 0.3516,
0.3933

57.6528, 0.3664,
0.4177

58.9821, 0.3365,
0.3683

57.1544, 0.3802,
0.4406

59.8242, 0.3215,
0.3435

56.7583, 0.3925,
0.4610

60.7917, 0.3069,
0.3195

56.4574, 0.4028,
0.4780

61.8893, 0.2932,
0.2967

■ 56.2438, 0.4106,
0.4909

■ 63.1216, 0.2804,
0.2755

■ 56.1081, 0.4158,
0.4995

■ 63.2488, 0.2792,
0.2736

■ 56.0386, 0.4186,
0.5041

■ 63.2495, 0.2792,
0.2736

■ 56.0203, 0.4193,
0.5053

■ 63.2501, 0.2792,
0.2736

■ 63.2507, 0.2792,
0.2736

Harmonies

Analogous

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



58.2575, 0.3769, 0.3801



58.2575, 0.3516, 0.3933



58.2575, 0.3167, 0.3877

Triad

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



58.2575, 0.3516, 0.3933



58.2575, 0.2457, 0.2967



58.2575, 0.3420, 0.2979

Complementary

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



58.2575, 0.3516, 0.3933



33.0828, 0.2682, 0.2555

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.



58.2575, 0.3054, 0.2781



58.2575, 0.3516, 0.3933



58.2575, 0.2514, 0.2761

Square

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



58.2575, 0.3516, 0.3933



58.2575, 0.2566, 0.3286



58.2575, 0.2726, 0.2701



58.2575, 0.3717, 0.3252

Rectangle

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



58.2575, 0.3516, 0.3933



58.2575, 0.2930, 0.3731



58.2575, 0.2726, 0.2701



58.2575, 0.3300, 0.2902

Sweetspot

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



58.2601, 0.3516, 0.3933



98.7542, 0.3246, 0.3487



37.2136, 0.3676, 0.3292



21.0906, 0.3269, 0.3525



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.



58.2601, 0.3516, 0.3933



95.9093, 0.3597, 0.4067



54.8311, 0.3298, 0.3981



13.0966, 0.3266, 0.3519



35.2577, 0.4193, 0.5053



1.8189, 0.4193, 0.5053

Inverse Universe

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



33.0828, 0.2682, 0.2555



47.4774, 0.2573, 0.2374



35.9078, 0.2913, 0.2601



10.8441, 0.2982, 0.3050



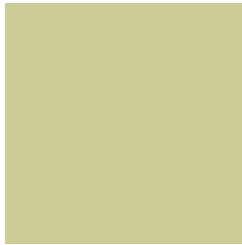
2.7442, 0.1500, 0.0600



0.1416, 0.1501, 0.0600

Previews

White Background



This preview shows how the Yxy color 58.2575, 0.3516, 0.3933 looks on a white background.

Color Contrast Check

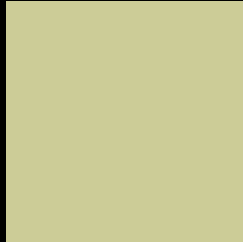
Large Text (above 18pt) WCAG AA × Fail

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 58.2575, 0.3516, 0.3933 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

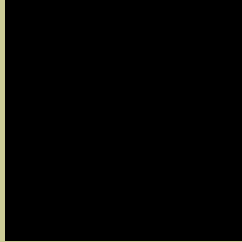
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

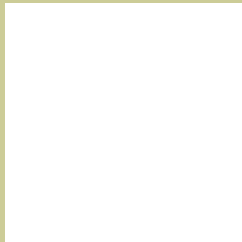
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 58.2575, 0.3516, 0.3933

Background



This preview shows how black text looks on a background with the Yxy color 58.2575, 0.3516, 0.3933.



This preview shows how white text looks on a background with the Yxy color 58.2575, 0.3516, 0.3933.

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

58.2575, 0.3516, 0.3933

Protanopia

57.9256, 0.3636, 0.3893

Deuteranopia

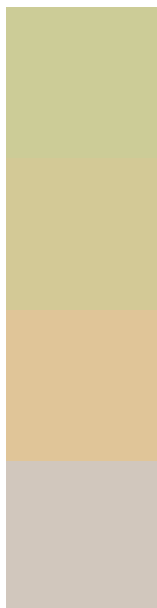
58.2727, 0.3810, 0.3737



Tritanopia

58.1801, 0.3143, 0.3118

Trichromacy



Original Color

58.2575, 0.3516, 0.3933

Protanomaly

57.8242, 0.3591, 0.3899

Deuteranomaly

58.0468, 0.3700, 0.3810

Tritanomaly

58.0763, 0.3281, 0.3408

Monochromacy



Original Color

58.2575, 0.3516, 0.3933

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

56.9241, 0.3267, 0.3521

CSS Examples

Text

The CSS property to change the color of the text to Yxy 58.2575, 0.3516, 0.3933 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(204, 204, 151)` looks like.

```
.text, #text, p{  
    color:rgb(204, 204, 151)  
}
```

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(204, 204, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 204, 151) }
```

Border

The CSS property to change the border of an element to Yxy 58.2575, 0.3516, 0.3933 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(204, 204, 151) }
```

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

```
.border{ border-color:rgb(204, 204, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(204, 204, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 204, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 204, 151);  
box-shadow:4px 4px 4px 4px rgb(204, 204,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 58.2575, 0.3516, 0.3933 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 204, 151) }
```

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

```
.background{ background-color: rgb(204,  
204, 151) }
```

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