

# Converting Colors

$Y_{xy}(58.0912, 0.3545, 0.3757)$

Have a look what the booklet for  
Yxy(58.0912, 0.3545, 0.3757)  
contains.

<b>Yxy(58.1428, 0.3543, 0.3764)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(58.1428, 0.3543, 0.3764)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D6C8A0
RGB	214, 200, 160
RGB Percent	84%, 78%, 63%
CMY	0.1608, 0.2157, 0.3725
CMYK	0.00, 0.07, 0.25, 0.16
HSL	44°, 40%, 73%
HSV	44°, 25%, 84%
XYZ	54.7290, 58.1428, 41.5990
YIQ	199.6260, 21.1840, -9.4720

# Conversions

## Conversions Part 2

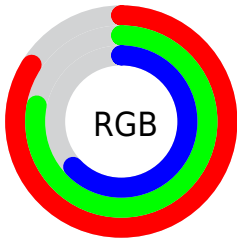
<b>Format</b>	<b>Color</b>
<b>RYB</b>	179, 214, 160
Decimal	14076064
CIELab	80.82, -1.35, 21.80
CIELCh	81, 21.846, 93.539
Yxy	58.1428, 0.3543, 0.3764
Android (android.graphics.Color)	4292266144 (0xFFD6C8A0)
YUV	199.6260, -19.5356, 12.6060
Hunter-Lab	76.2514, -5.3227, 21.0303

# Details

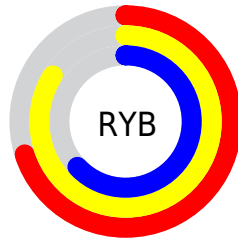
The Yxy color **58.1428, 0.3543, 0.3764** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.5966, 0.2712, 0.2766**, and the grayscale version is **57.6304, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.6863, 0.3364, 0.3681**, and **29.0114, 0.3655, 0.3887** is the 20% darker color. If you saturate the color by 10%, you get **54.9388, 0.3728, 0.3957**, and if you desaturate by 10%, it is **61.5740, 0.3368, 0.3571**.

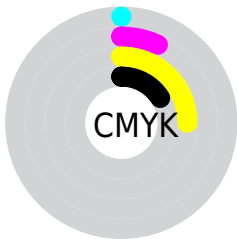
# Distribution



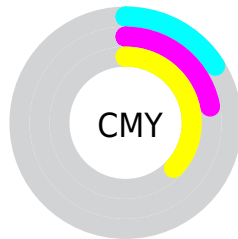
- Red (84%)
- Green (78%)
- Blue (63%)



- Red (70%)
- Yellow (84%)
- Blue (63%)



- Cyan (0%)
- Magenta (7%)
- Yellow (25%)
- Black (16%)



- Cyan (16%)
- Magenta (22%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 58.1428, 0.3543, 0.3764 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 58.1428, 0.3543, 0.3764 by changing the saturation by 10% instead.




 58.1428, 0.3543,  
0.3764

 58.1428, 0.3543,  
0.3764


417.7178, 0.3344,  
0.3536

 41.9235, 0.3590,  
0.3818


 102.1308, 0.3473,  
0.3683

 29.0414, 0.3648,  
0.3886


 130.6682, 0.3446,  
0.3652

 19.1121, 0.3723,  
0.3972


164.0805, 0.3423,  
0.3626

 11.7513, 0.3821,  
0.4088

202.7519, 0.3403,  
0.3603

 6.5746, 0.3956,  
0.4246

247.0670, 0.3385,  
0.3583

 3.1975, 0.4146,  
0.4475

297.4101, 0.3370,

 1.2357, 0.4785,

0.3566

0.5215

354.1656, 0.3356,  
0.3550

■ 0.0906, 0.3699,  
0.6301

■ 0.0000, 0.0000,  
0.0000

■ 58.1428, 0.3543,  
0.3764

■ 58.1428, 0.3543,  
0.3764

■ 54.9388, 0.3728,  
0.3957

■ 61.5740, 0.3368,  
0.3571

■ 51.9466, 0.3918,  
0.4142

■ 65.2316, 0.3206,  
0.3384

■ 49.1606, 0.4107,  
0.4311

■ 69.1250, 0.3058,  
0.3206

■ 46.5719, 0.4289,  
0.4452

■ 73.2605, 0.2924,  
0.3040

■ 44.1705, 0.4453,  
0.4555

■ 76.8466, 0.2870,  
0.3003

■ 41.9450, 0.4592,  
0.4613

■ 79.9400, 0.2873,  
0.3063

■ 39.8817, 0.4701,  
0.4621

■ 83.1320, 0.2876,  
0.3121

■ 38.9427, 0.4746,  
0.4614

■ 86.4235, 0.2878,  
0.3179

■ 89.8153, 0.2881,  
0.3237

# Harmonies

## Analogous

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



58.1428, 0.3680, 0.3613



58.1428, 0.3543, 0.3764



58.1428, 0.3296, 0.3787

# Triad

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



58.1428, 0.3543, 0.3764



58.1428, 0.2619, 0.3151



58.1428, 0.3225, 0.2958

# Complementary

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



58.1428, 0.3543, 0.3764



42.5966, 0.2712, 0.2766

# 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.



58.1428, 0.2941, 0.2840



58.1428, 0.3543, 0.3764



58.1428, 0.2602, 0.2938

# Square

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



58.1428, 0.3543, 0.3764



58.1428, 0.2767, 0.3419



58.1428, 0.2716, 0.2830



58.1428, 0.3493, 0.3155



# Rectangle

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



58.1428, 0.3543, 0.3764



58.1428, 0.3106, 0.3718



58.1428, 0.2716, 0.2830



58.1428, 0.3128, 0.2908

# Sweetspot

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



58.1454, 0.3543, 0.3764



95.4303, 0.3251, 0.3437



42.5108, 0.3517, 0.3116



20.2475, 0.3276, 0.3465



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.



58.1454, 0.3543, 0.3764



84.0186, 0.3636, 0.3862



63.0980, 0.3406, 0.3938



13.9502, 0.3273, 0.3462



23.7173, 0.4736, 0.4622



1.5608, 0.4622, 0.4712



# Inverse Universe

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



42.5966, 0.2712, 0.2766



57.2754, 0.2620, 0.2643



38.8382, 0.2798, 0.2596



12.5264, 0.2982, 0.3112



4.7544, 0.1588, 0.0915

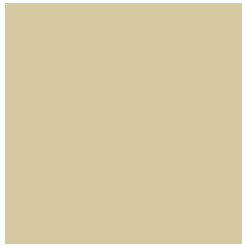


0.4216, 0.1682, 0.1256



# Previews

## White Background



This preview shows how the Yxy color 58.1428, 0.3543, 0.3764 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 58.1428, 0.3543, 0.3764 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

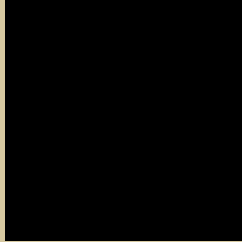
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

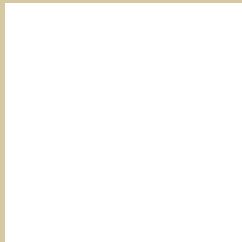
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 58.1428, 0.3543, 0.3764**

## **Background**



This preview shows how black text looks on a background with the Yxy color 58.1428, 0.3543, 0.3764.



This preview shows how white text looks on a background with the Yxy color 58.1428, 0.3543, 0.3764.

# 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

58.1428, 0.3543, 0.3764

### Protanopia

57.9928, 0.3535, 0.3765

### Deuteranopia

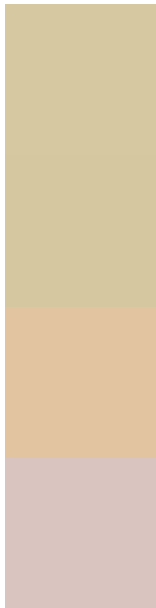
58.0368, 0.3719, 0.3651



## Tritanopia

57.9590, 0.3224, 0.3109

# Trichromacy



## Original Color

58.1428, 0.3543, 0.3764

## Protanomaly

57.9928, 0.3535, 0.3765

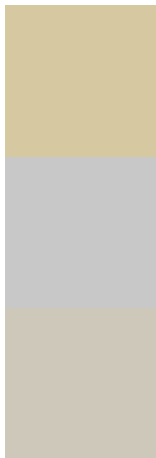
## Deuteranomaly

58.2218, 0.3649, 0.3692

## Tritanomaly

58.1469, 0.3343, 0.3348

# Monochromacy



## Original Color

58.1428, 0.3543, 0.3764

## Achromatopsia

57.7580, 0.3127, 0.3290

## Achromatomaly

57.7905, 0.3277, 0.3470

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 58.1428, 0.3543, 0.3764 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(214, 200, 160)` looks like.

```
.text, #text, p{  
    color:rgb(214, 200, 160)  
}
```

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(214, 200, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(214, 200, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 58.1428, 0.3543, 0.3764 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(214, 200, 160) }
```

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

```
.border{ border-color:rgb(214, 200, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(214, 200, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(214, 200, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(214, 200, 160);  
box-shadow:4px 4px 4px 4px rgb(214, 200,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 58.1428, 0.3543, 0.3764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(214, 200, 160) }
```

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

```
.background{ background-color: rgb(214,  
200, 160) }
```

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