

# Converting Colors

$Y_{xy}(57.2904, 0.3566, 0.3730)$

Have a look what the booklet for  
Yxy(57.2904, 0.3566, 0.3730)  
contains.

<b>Yxy(57.0695, 0.3568, 0.3728)</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(57.0695, 0.3568, 0.3728)**

# Conversions

## Conversions Part 1

Format	Color
Hex	D8C5A0
RGB	216, 197, 160
RGB Percent	85%, 77%, 63%
CMY	0.1531, 0.2274, 0.3725
CMYK	0.00, 0.09, 0.26, 0.15
HSL	40°, 42%, 74%
HSV	40°, 26%, 85%
XYZ	54.6202, 57.0695, 41.3938
YIQ	198.4630, 23.2010, -7.4790

# Conversions

## Conversions Part 2

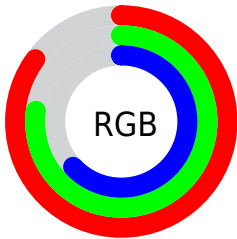
Format	Color
<b>RYB</b>	189, 216, 160
Decimal	14206368
CIELab	80.22, 0.96, 21.01
CIELCh	80, 21.032, 87.385
Yxy	57.0695, 0.3568, 0.3728
Android (android.graphics.Color)	4292396448 (0xFFD8C5A0)
YUV	198.4630, -18.9623, 15.3799
Hunter-Lab	75.5444, -3.1434, 20.3937

# Details

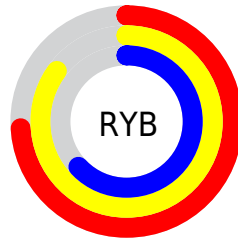
The Yxy color **57.0695, 0.3568, 0.3728** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.6428, 0.2705, 0.2809**, and the grayscale version is **56.8739, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0499, 0.3365, 0.3672**, and **28.3047, 0.3692, 0.3838** is the 20% darker color. If you saturate the color by 10%, you get **53.1417, 0.3765, 0.3903**, and if you desaturate by 10%, it is **61.2947, 0.3385, 0.3554**.

# Distribution



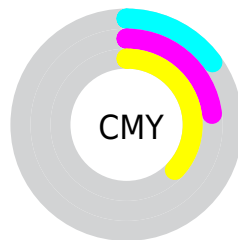
- Red (85%)
- Green (77%)
- Blue (63%)



- Red (74%)
- Yellow (85%)
- Blue (63%)



- Cyan (0%)
- Magenta (9%)
- Yellow (26%)
- Black (15%)




- Cyan (15%)
- Magenta (23%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 57.0695, 0.3568, 0.3728 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 57.0695, 0.3568, 0.3728 by changing the saturation by 10% instead.



 57.0695, 0.3568,  
0.3728

 57.0695, 0.3568,  
0.3728


413.7097, 0.3356,  
0.3518

 41.0610, 0.3618,  
0.3778


 100.5666, 0.3493,  
0.3654

 28.3668, 0.3681,  
0.3840


 128.8240, 0.3464,  
0.3625

 18.6023, 0.3763,  
0.3919


161.9332, 0.3439,  
0.3601

 11.3833, 0.3870,  
0.4024

200.2786, 0.3418,  
0.3580

 6.3253, 0.4019,  
0.4168

244.2445, 0.3399,  
0.3561

 3.0439, 0.4235,  
0.4374

294.2154, 0.3383,

 1.1547, 0.4936,

0.3545

0.5064

350.5757, 0.3369,  
0.3531

0.0242, 0.6573,  
0.3427

0.0000, 0.0000,  
0.0000

57.0695, 0.3568,  
0.3728

57.0695, 0.3568,  
0.3728

53.1417, 0.3765,  
0.3903

61.2947, 0.3385,  
0.3554

49.4944, 0.3974,  
0.4071

65.8179, 0.3218,  
0.3386

46.1205, 0.4187,  
0.4223

70.6499, 0.3068,  
0.3226

43.0096, 0.4397,  
0.4348

75.7983, 0.2933,  
0.3076

■ 40.1499, 0.4593,  
0.4434

■ 80.4062, 0.2885,  
0.3067

■ 37.5283, 0.4764,  
0.4474

■ 84.6428, 0.2888,  
0.3144

■ 35.1288, 0.4904,  
0.4461

■ 89.0530, 0.2891,  
0.3219

■ 34.2011, 0.4956,  
0.4447

■ 93.3320, 0.2894,  
0.3289

# Harmonies

## Analogous

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



57.0695, 0.3672, 0.3563



57.0695, 0.3568, 0.3728



57.0695, 0.3346, 0.3779

# Triad

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



57.0695, 0.3568, 0.3728



57.0695, 0.2654, 0.3207



57.0695, 0.3164, 0.2937

# Complementary

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



57.0695, 0.3568, 0.3728



44.6428, 0.2705, 0.2809

# 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.



57.0695, 0.2895, 0.2842



57.0695, 0.3568, 0.3728



57.0695, 0.2610, 0.2984

# Square

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



57.0695, 0.3568, 0.3728



57.0695, 0.2820, 0.3468



57.0695, 0.2696, 0.2856



57.0695, 0.3434, 0.3115



# Rectangle

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



57.0695, 0.3568, 0.3728



57.0695, 0.3164, 0.3732



57.0695, 0.2696, 0.2856



57.0695, 0.3071, 0.2894

# Sweetspot

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



57.0721, 0.3568, 0.3728



94.4296, 0.3253, 0.3421



43.0121, 0.3486, 0.3056



19.9946, 0.3278, 0.3447



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.



57.0721, 0.3568, 0.3728



80.0178, 0.3673, 0.3822



64.9729, 0.3450, 0.3948



13.7792, 0.3275, 0.3444



20.4599, 0.4941, 0.4459



1.3844, 0.4780, 0.4587



# Inverse Universe

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



44.6428, 0.2705, 0.2809



59.0139, 0.2610, 0.2692



38.4653, 0.2749, 0.2567



12.6887, 0.2982, 0.3131



5.9417, 0.1640, 0.1102

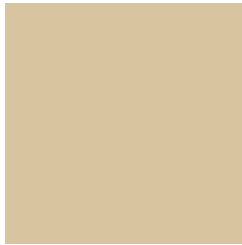


0.5094, 0.1737, 0.1454



# Previews

## White Background



This preview shows how the Yxy color 57.0695, 0.3568, 0.3728 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

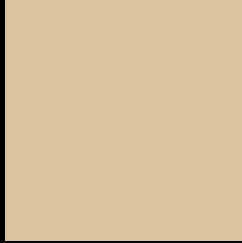
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 57.0695, 0.3568, 0.3728 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

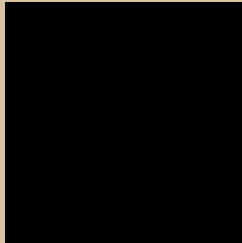
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 57.0695, 0.3568, 0.3728**

## Background



This preview shows how black text looks on a background with the Yxy color 57.0695, 0.3568, 0.3728.



This preview shows how white text looks on a background with the Yxy color 57.0695, 0.3568, 0.3728.

# 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

57.0695, 0.3568, 0.3728

### Protanopia

57.2689, 0.3513, 0.3745

### Deuteranopia

56.8237, 0.3708, 0.3632



## Tritanopia

57.0900, 0.3257, 0.3120

# Trichromacy



## Original Color

57.0695, 0.3568, 0.3728

## Protanomaly

57.1075, 0.3532, 0.3731

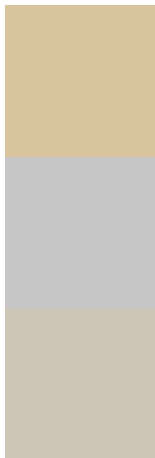
## Deuteranomaly

56.8819, 0.3658, 0.3659

## Tritanomaly

56.8741, 0.3372, 0.3337

# Monochromacy



## Original Color

57.0695, 0.3568, 0.3728

## Achromatopsia

56.4712, 0.3127, 0.3290

## Achromatomaly

56.8280, 0.3288, 0.3458

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 57.0695, 0.3568, 0.3728 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(216, 197, 160)` looks like.

```
.text, #text, p{  
    color:rgb(216, 197, 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(216, 197, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 197, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 57.0695, 0.3568, 0.3728 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(216, 197, 160) }
```

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

```
.border{ border-color:rgb(216, 197, 160) }
```

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

Here you see how a box with a 4 pixel rgb(216, 197, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 197, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 197, 160);  
box-shadow:4px 4px 4px 4px rgb(216, 197,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 57.0695, 0.3568, 0.3728 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 197, 160) }
```

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

```
.background{ background-color: rgb(216,  
197, 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](#).

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