

# Converting Colors

$Yxy(61.6939, 0.3508, 0.3658)$

Have a look what the booklet for  
Yxy(61.6939, 0.3508, 0.3658)  
contains.

<b>Yxy(61.6939, 0.3508, 0.3658)</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(61.6939, 0.3508, 0.3658)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	DECCAC
RGB	222, 204, 172
RGB Percent	87%, 80%, 67%
CMY	0.1293, 0.2000, 0.3257
CMYK	0.00, 0.08, 0.23, 0.13
HSL	38°, 43%, 77%
HSV	38°, 23%, 87%
XYZ	59.1641, 61.6939, 47.7968
YIQ	205.7340, 21.0000, -6.1360

# Conversions

## Conversions Part 2

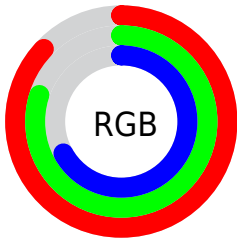
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	200, 222, 172
Decimal	14601388
CIE Lab	82.75, 1.27, 18.26
CIE LCh	83, 18.304, 86.026
Yxy	61.6939, 0.3508, 0.3658
Android (android.graphics.Color)	4292791468 (0xFFDECCAC)
YUV	205.7340, -16.6309, 14.2653
Hunter-Lab	78.5455, -3.0001, 18.9025

# Details

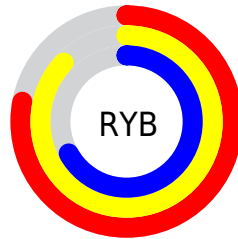
The Yxy color **61.6939, 0.3508, 0.3658** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **50.8552, 0.2764, 0.2892**, and the grayscale version is **61.6417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.3261, 0.3292, 0.3562**, and **31.2757, 0.3595, 0.3745** is the 20% darker color. If you saturate the color by 10%, you get **57.2127, 0.3704, 0.3828**, and if you desaturate by 10%, it is **66.5180, 0.3328, 0.3490**.

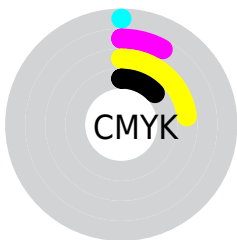
# Distribution



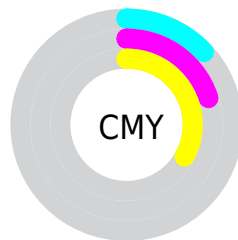
- Red (87%)
- Green (80%)
- Blue (67%)



- Red (78%)
- Yellow (87%)
- Blue (67%)



- Cyan (0%)
- Magenta (8%)
- Yellow (23%)
- Black (13%)



- Cyan (13%)
- Magenta (20%)
- Yellow (33%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 61.6939, 0.3508, 0.3658 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 61.6939, 0.3508, 0.3658 by changing the saturation by 10% instead.



■ 61.6939, 0.3508,  
0.3658

■ 61.6939, 0.3508,  
0.3658

430.8137, 0.3327,  
0.3484

■ 44.7854, 0.3551,  
0.3699

■ 107.2830, 0.3444,  
0.3597

■ 31.2884, 0.3604,  
0.3749

136.7324, 0.3420,  
0.3573

■ 20.8186, 0.3672,  
0.3814

171.1309, 0.3398,  
0.3553

■ 12.9915, 0.3762,  
0.3899

210.8629, 0.3380,  
0.3535

■ 7.4227, 0.3887,  
0.4016

256.3128, 0.3364,  
0.3520

■ 3.7278, 0.4068,  
0.4184

307.8649, 0.3350,

■ 1.5225, 0.4556,

0.3506

0.4649

365.9038, 0.3338,  
0.3494

0.3045, 0.5127,  
0.4873

0.0000, 0.0000,  
0.0000

61.6939, 0.3508,  
0.3658

61.6939, 0.3508,  
0.3658

57.2127, 0.3704,  
0.3828

66.5180, 0.3328,  
0.3490

53.0561, 0.3914,  
0.3995

71.6861, 0.3166,  
0.3330

49.2162, 0.4133,  
0.4149

77.2099, 0.3020,  
0.3178

45.6816, 0.4353,  
0.4280

82.7211, 0.2924,  
0.3094

■ 42.4398, 0.4564,  
0.4377

■ 87.4242, 0.2926,  
0.3177

■ 39.4765, 0.4755,  
0.4428

■ 92.3358, 0.2928,  
0.3259

■ 36.7755, 0.4915,  
0.4427

■ 94.2725, 0.2929,  
0.3289

■ 34.9153, 0.5017,  
0.4399

# Harmonies

## Analogous

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



61.6939, 0.3589, 0.3517



61.6939, 0.3508, 0.3658



61.6939, 0.3324, 0.3703

# Triad

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



61.6939, 0.3508, 0.3658



61.6939, 0.2729, 0.3231



61.6939, 0.3149, 0.2982

# Complementary

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



61.6939, 0.3508, 0.3658



50.8552, 0.2764, 0.2892

# 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.



61.6939, 0.2921, 0.2906



61.6939, 0.3508, 0.3658



61.6939, 0.2685, 0.3039

# Square

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



61.6939, 0.3508, 0.3658



61.6939, 0.2876, 0.3451



61.6939, 0.2754, 0.2924



61.6939, 0.3378, 0.3133



# Rectangle

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



61.6939, 0.3508, 0.3658



61.6939, 0.3171, 0.3666



61.6939, 0.2754, 0.2924



61.6939, 0.3070, 0.2947

# Sweetspot

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



61.6967, 0.3508, 0.3658



94.8731, 0.3237, 0.3401



48.7523, 0.3422, 0.3078



20.2145, 0.3247, 0.3411



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.



61.6967, 0.3508, 0.3658



81.5299, 0.3597, 0.3737



69.7284, 0.3415, 0.3860



15.1565, 0.3276, 0.3440



20.9528, 0.5001, 0.4411



1.6201, 0.4845, 0.4535



# Inverse Universe

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



50.8552, 0.2764, 0.2892



64.2298, 0.2683, 0.2797



44.3032, 0.2798, 0.2669



14.0466, 0.2981, 0.3136



6.7228, 0.1654, 0.1155

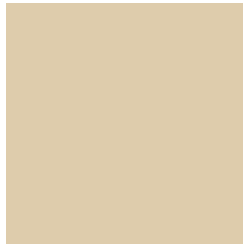


0.6317, 0.1741, 0.1466



# Previews

## White Background



This preview shows how the Yxy color 61.6939, 0.3508, 0.3658 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

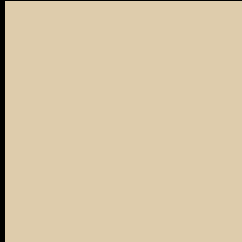
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 61.6939, 0.3508, 0.3658 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

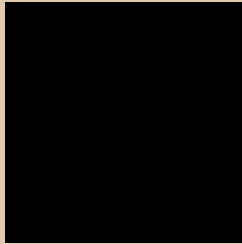
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 61.6939, 0.3508, 0.3658**

## **Background**



This preview shows how black text looks on a background with the Yxy color 61.6939, 0.3508, 0.3658.



This preview shows how white text looks on a background with the Yxy color 61.6939, 0.3508, 0.3658.

# 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

61.6939, 0.3508, 0.3658

### Protanopia

61.9115, 0.3455, 0.3673

### Deuteranopia

61.5824, 0.3648, 0.3566



## Tritanopia

61.5741, 0.3238, 0.3114

# Trichromacy



## Original Color

61.6939, 0.3508, 0.3658

## Protanomaly

61.7398, 0.3473, 0.3660

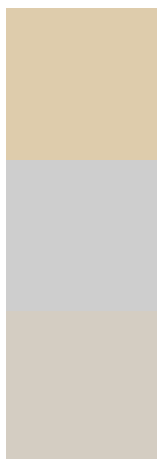
## Deuteranomaly

61.4815, 0.3593, 0.3593

## Tritanomaly

61.4396, 0.3333, 0.3302

# Monochromacy



## Original Color

61.6939, 0.3508, 0.3658

## Achromatopsia

61.7207, 0.3127, 0.3290

## Achromatomaly

61.5547, 0.3260, 0.3418

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 61.6939, 0.3508, 0.3658 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(222, 204, 172)` looks like.

```
.text, #text, p{  
    color:rgb(222, 204, 172)  
}
```

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(222, 204, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 204, 172) }
```

## Border

The CSS property to change the border of an element to Yxy 61.6939, 0.3508, 0.3658 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(222, 204, 172) }
```

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

```
.border{ border-color:rgb(222, 204, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 204, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 204, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 204, 172);  
box-shadow:4px 4px 4px 4px rgb(222, 204,  
172) }
```



# Background

The CSS property to change the background color of an element to Yxy 61.6939, 0.3508, 0.3658 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 204, 172) }
```

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

```
.background{ background-color: rgb(222,  
204, 172) }
```

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