

# Converting Colors

Yxy(53.0028, 0.3651, 0.3709)

Have a look what the booklet for  
Yxy(53.0028, 0.3651, 0.3709)  
contains.

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# Color

**Yxy(52.8653, 0.3652, 0.3709)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D8BC99
RGB	216, 188, 153
RGB Percent	85%, 74%, 60%
CMY	0.1530, 0.2627, 0.3998
CMYK	0.00, 0.13, 0.29, 0.15
HSL	33°, 45%, 72%
HSV	33°, 29%, 85%
XYZ	52.0529, 52.8653, 37.6143
YIQ	192.3820, 27.9230, -4.9490

# Conversions

## Conversions Part 2

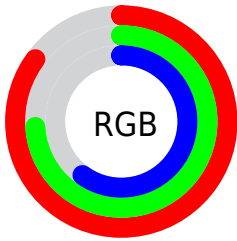
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	203, 216, 153
Decimal	14204057
CIE <sub>Lab</sub>	77.80, 4.79, 21.38
CIE <sub>LCh</sub>	78, 21.912, 77.382
Yxy	52.8653, 0.3652, 0.3709
Android (android.graphics.Color)	4292394137 (0xFFD8BC99)
YUV	192.3820, -19.4153, 20.7130
Hunter-Lab	72.7085, 0.5503, 20.2235

# Details

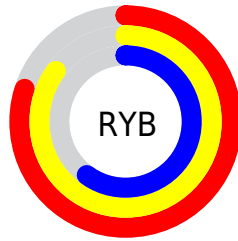
The Yxy color **52.8653, 0.3652, 0.3709** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **44.7930, 0.2658, 0.2831**, and the grayscale version is **53.0532, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4664, 0.3431, 0.3658**, and **25.7608, 0.3786, 0.3816** is the 20% darker color. If you saturate the color by 10%, you get **48.2497, 0.3873, 0.3857**, and if you desaturate by 10%, it is **57.8880, 0.3452, 0.3560**.

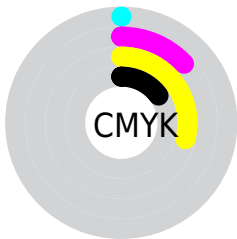
# Distribution



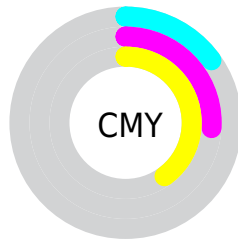
- Red (85%)
- Green (74%)
- Blue (60%)



- Red (80%)
- Yellow (85%)
- Blue (60%)



- Cyan (0%)
- Magenta (13%)
- Yellow (29%)
- Black (15%)




- Cyan (15%)
- Magenta (26%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 52.8653, 0.3652, 0.3709 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 52.8653, 0.3652, 0.3709 by changing the saturation by 10% instead.





 52.8653, 0.3652,  
0.3709

 52.8653, 0.3652,  
0.3709


397.7681, 0.3395,  
0.3508

 37.6952, 0.3714,  
0.3756


 94.4061, 0.3560,  
0.3638

 25.7462, 0.3793,  
0.3815


 121.5457, 0.3525,  
0.3611

 16.6339, 0.3894,  
0.3891


153.4439, 0.3495,  
0.3587

 9.9738, 0.4032,  
0.3989

190.4851, 0.3470,  
0.3567

 5.3816, 0.4224,  
0.4123

233.0538, 0.3447,  
0.3549

 2.4729, 0.4533,  
0.4329

281.5342, 0.3428,

 0.8630, 0.5216,

0.3534

0.4784

336.3109, 0.3410,  
0.3520

0.0000, 0.0000,  
0.0000

52.8653, 0.3652,  
0.3709

52.8653, 0.3652,  
0.3709

48.2497, 0.3873,  
0.3857

57.8880, 0.3452,  
0.3560

44.0216, 0.4112,  
0.3998

63.3220, 0.3273,  
0.3416

40.1705, 0.4362,  
0.4121

69.1809, 0.3114,  
0.3279

36.6822, 0.4613,  
0.4213

75.4750, 0.2975,  
0.3151

33.5413, 0.4852,  
0.4264

81.8196, 0.2887,  
0.3093

■ 30.7304, 0.5065,  
0.4263

■ 87.4994, 0.2890,  
0.3193

■ 28.2247, 0.5244,  
0.4212

■ 93.3379, 0.2894,  
0.3289

■ 28.0225, 0.5259,  
0.4207

# Harmonies

## Analogous

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



52.8653, 0.3711, 0.3504



52.8653, 0.3652, 0.3709



52.8653, 0.3449, 0.3811

# Triad

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



52.8653, 0.3652, 0.3709



52.8653, 0.2669, 0.3293



52.8653, 0.3066, 0.2869

# Complementary

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



52.8653, 0.3652, 0.3709



44.7930, 0.2658, 0.2831

# 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.



52.8653, 0.2797, 0.2805



52.8653, 0.3652, 0.3709



52.8653, 0.2576, 0.3032

# Square

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



52.8653, 0.3652, 0.3709



52.8653, 0.2881, 0.3568



52.8653, 0.2622, 0.2859



52.8653, 0.3364, 0.3032



# Rectangle

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



52.8653, 0.3652, 0.3709



52.8653, 0.3265, 0.3797



52.8653, 0.2622, 0.2859



52.8653, 0.2970, 0.2835

# Sweetspot

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



52.8677, 0.3652, 0.3709



92.2709, 0.3272, 0.3415



40.7449, 0.3483, 0.2951



19.4927, 0.3297, 0.3436



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.



52.8677, 0.3652, 0.3709



72.7684, 0.3786, 0.3801



65.5324, 0.3540, 0.4020



13.5531, 0.3277, 0.3420



16.8062, 0.5238, 0.4223



1.1776, 0.5009, 0.4405



# Inverse Universe

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



44.7930, 0.2658, 0.2831



59.1683, 0.2554, 0.2715



34.8399, 0.2642, 0.2452



12.9085, 0.2982, 0.3157



8.0976, 0.1725, 0.1408

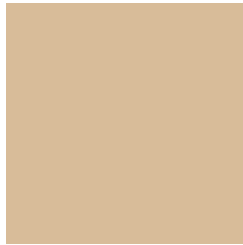


0.6520, 0.1818, 0.1743



# Previews

## White Background



This preview shows how the Yxy color 52.8653, 0.3652, 0.3709 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

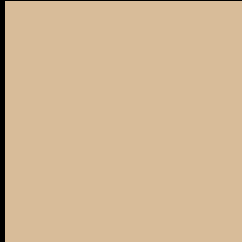
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 52.8653, 0.3652, 0.3709 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

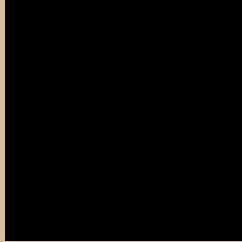
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 52.8653, 0.3652, 0.3709**

## **Background**



This preview shows how black text looks on a background with the Yxy color 52.8653, 0.3652, 0.3709.



This preview shows how white text looks on a background with the Yxy color 52.8653, 0.3652, 0.3709.

# 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

52.8653, 0.3652, 0.3709

### Protanopia

52.9032, 0.3518, 0.3747

### Deuteranopia

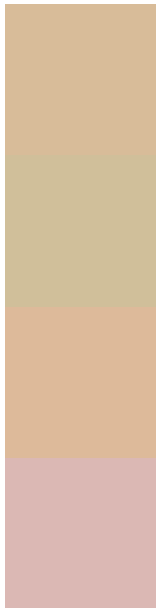
52.8783, 0.3726, 0.3653



## Tritanopia

52.8136, 0.3348, 0.3129

# Trichromacy



**Original Color**

52.8653, 0.3652, 0.3709

**Protanomaly**

53.0046, 0.3564, 0.3743

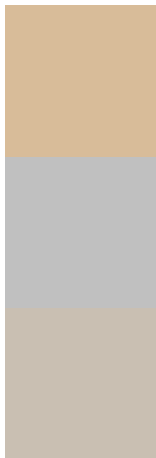
**Deuteranomaly**

52.8231, 0.3695, 0.3668

**Tritanomaly**

52.6363, 0.3462, 0.3338

# Monochromacy



**Original Color**

52.8653, 0.3652, 0.3709

**Achromatopsia**

52.7115, 0.3127, 0.3290

**Achromatomaly**

52.8935, 0.3311, 0.3450

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 52.8653, 0.3652, 0.3709 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, 188, 153)` looks like.

```
.text, #text, p{  
    color:rgb(216, 188, 153)  
}
```

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, 188, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 188, 153) }
```

## Border

The CSS property to change the border of an element to Yxy 52.8653, 0.3652, 0.3709 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, 188, 153) }
```

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

```
.border{ border-color:rgb(216, 188, 153) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 188, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 188, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 188, 153);  
box-shadow:4px 4px 4px 4px rgb(216, 188,  
153) }
```



# Background

The CSS property to change the background color of an element to Yxy 52.8653, 0.3652, 0.3709 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 188, 153) }
```

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

```
.background{ background-color: rgb(216,  
188, 153) }
```

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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