

# Converting Colors

$Y_{xy}(55.9725, 0.3521, 0.3610)$

Have a look what the booklet for  
Yxy(55.9725, 0.3521, 0.3610)  
contains.

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# Color

**Yxy(55.9725, 0.3521, 0.3610)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	D8C2A7
RGB	216, 194, 167
RGB Percent	85%, 76%, 65%
CMY	0.1528, 0.2392, 0.3451
CMYK	0.00, 0.10, 0.23, 0.15
HSL	33°, 39%, 75%
HSV	33°, 23%, 85%
XYZ	54.5926, 55.9725, 44.4834
YIQ	197.5000, 21.7790, -3.7330

# Conversions

## Conversions Part 2

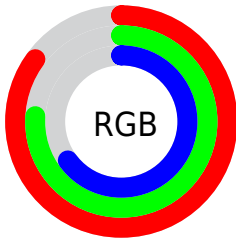
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	207, 216, 167
Decimal	14205607
CIE <sub>Lab</sub>	79.60, 3.56, 16.42
CIE <sub>LCh</sub>	80, 16.804, 77.755
Yxy	55.9725, 0.3521, 0.3610
Android (android.graphics.Color)	4292395687 (0xFFD8C2A7)
YUV	197.5000, -15.0365, 16.2245
Hunter-Lab	74.8148, -0.6739, 17.1177

# Details

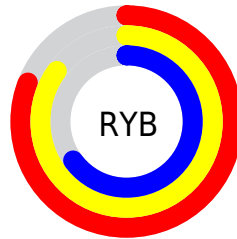
The Yxy color **55.9725, 0.3521, 0.3610** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **49.5853, 0.2766, 0.2947**, and the grayscale version is **56.2390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9051, 0.3328, 0.3564**, and **27.5710, 0.3630, 0.3683** is the 20% darker color. If you saturate the color by 10%, you get **51.0601, 0.3729, 0.3758**, and if you desaturate by 10%, it is **61.3058, 0.3334, 0.3465**.

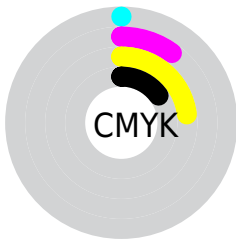
# Distribution



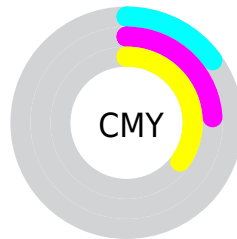
- Red (85%)
- Green (76%)
- Blue (65%)



- Red (81%)
- Yellow (85%)
- Blue (65%)



- Cyan (0%)
- Magenta (10%)
- Yellow (23%)
- Black (15%)




- Cyan (15%)
- Magenta (24%)
- Yellow (35%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.9725, 0.3521, 0.3610 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 55.9725, 0.3521, 0.3610 by changing the saturation by 10% instead.




 55.9725, 0.3521,  
0.3610

 55.9725, 0.3521,  
0.3610

409.5879, 0.3330,  
0.3457

 40.1809, 0.3567,  
0.3646


 98.9644, 0.3453,  
0.3556

 27.6796, 0.3625,  
0.3691


 126.9334, 0.3427,  
0.3535

 18.0843, 0.3700,  
0.3750


159.7304, 0.3405,  
0.3517

 11.0105, 0.3802,  
0.3827

197.7396, 0.3385,  
0.3502

 6.0739, 0.3946,  
0.3934

241.3456, 0.3369,  
0.3488

 2.8901, 0.4163,  
0.4088

290.9327, 0.3354,

 1.0746, 0.5091,

0.3477

0.4869

346.8853, 0.3341,  
0.3466

0.0000, 1.0000,  
0.0000

0.0000, 0.0000,  
0.0000

55.9725, 0.3521,  
0.3610

55.9725, 0.3521,  
0.3610

51.0601, 0.3729,  
0.3758

61.3058, 0.3334,  
0.3465

46.5490, 0.3958,  
0.3904

67.0639, 0.3168,  
0.3326

42.4292, 0.4203,  
0.4038

73.2600, 0.3023,  
0.3196

38.6869, 0.4457,  
0.4150

79.9047, 0.2895,  
0.3075

■ 35.3075, 0.4708,  
0.4229

■ 85.6509, 0.2889,  
0.3161

■ 32.2747, 0.4942,  
0.4261

■ 91.6022, 0.2893,  
0.3261

■ 29.5699, 0.5145,  
0.4239

■ 93.3440, 0.2894,  
0.3289

■ 27.7834, 0.5273,  
0.4195

# Harmonies

## Analogous

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



55.9725, 0.3565, 0.3459



55.9725, 0.3521, 0.3610



55.9725, 0.3369, 0.3681

# Triad

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



55.9725, 0.3521, 0.3610



55.9725, 0.2778, 0.3292



55.9725, 0.3086, 0.2969

# Complementary

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



55.9725, 0.3521, 0.3610



49.5853, 0.2766, 0.2947

# 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.



55.9725, 0.2881, 0.2920



55.9725, 0.3521, 0.3610



55.9725, 0.2708, 0.3097

# Square

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



55.9725, 0.3521, 0.3610



55.9725, 0.2941, 0.3495



55.9725, 0.2745, 0.2964



55.9725, 0.3309, 0.3096



# Rectangle

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



55.9725, 0.3521, 0.3610



55.9725, 0.3231, 0.3667



55.9725, 0.2745, 0.2964



55.9725, 0.3012, 0.2943

# Sweetspot

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



55.9750, 0.3521, 0.3610



93.8910, 0.3238, 0.3386



45.9172, 0.3387, 0.3029



19.9870, 0.3248, 0.3394



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.



55.9750, 0.3521, 0.3610



78.1531, 0.3613, 0.3677



66.1519, 0.3449, 0.3857



13.5429, 0.3277, 0.3418



16.6578, 0.5252, 0.4212



1.1690, 0.5020, 0.4396

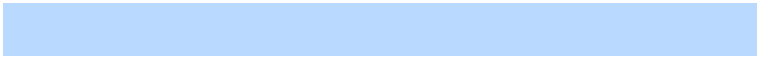


# Inverse Universe

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



49.5853, 0.2766, 0.2947



67.3519, 0.2690, 0.2868



41.0806, 0.2764, 0.2660



12.9186, 0.2982, 0.3158



8.2124, 0.1729, 0.1423

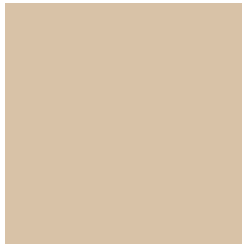


0.6593, 0.1821, 0.1756



# Previews

## White Background



This preview shows how the Yxy color 55.9725, 0.3521, 0.3610 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 55.9725, 0.3521, 0.3610 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

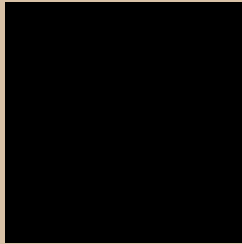
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.9725, 0.3521, 0.3610**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.9725, 0.3521, 0.3610.



This preview shows how white text looks on a background with the Yxy color 55.9725, 0.3521, 0.3610.

# 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

55.9725, 0.3521, 0.3610

### Protanopia

56.0251, 0.3429, 0.3641

### Deuteranopia

55.9850, 0.3618, 0.3544



## Tritanopia

56.1270, 0.3275, 0.3120

# Trichromacy



## Original Color

55.9725, 0.3521, 0.3610

## Protanomaly

56.0086, 0.3457, 0.3627

## Deuteranomaly

55.7767, 0.3581, 0.3558

## Tritanomaly

56.0833, 0.3359, 0.3291

# Monochromacy



## Original Color

55.9725, 0.3521, 0.3610

## Achromatopsia

56.4712, 0.3127, 0.3290

## Achromatomaly

56.4995, 0.3266, 0.3410

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.9725, 0.3521, 0.3610 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, 194, 167)` looks like.

```
.text, #text, p{  
    color:rgb(216, 194, 167)  
}
```

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, 194, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(216, 194, 167) }
```

## Border

The CSS property to change the border of an element to Yxy 55.9725, 0.3521, 0.3610 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, 194, 167) }
```

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

```
.border{ border-color:rgb(216, 194, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(216, 194, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(216, 194, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(216, 194, 167);  
box-shadow:4px 4px 4px 4px rgb(216, 194,  
167) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.9725, 0.3521, 0.3610 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(216, 194, 167) }
```

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

```
.background{ background-color: rgb(216,  
194, 167) }
```

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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