

# Converting Colors

$Yxy(55.9543, 0.3481, 0.3791)$

Have a look what the booklet for  
Yxy(55.9543, 0.3481, 0.3791)  
contains.

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# Color

**Yxy(56.1528, 0.3477, 0.3791)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CCC79E
RGB	204, 199, 158
RGB Percent	80%, 78%, 62%
CMY	0.1999, 0.2196, 0.3804
CMYK	0.00, 0.02, 0.23, 0.20
HSL	53°, 31%, 71%
HSV	53°, 23%, 80%
XYZ	51.5018, 56.1528, 40.4668
YIQ	195.8210, 16.1410, -11.6910

# Conversions

## Conversions Part 2

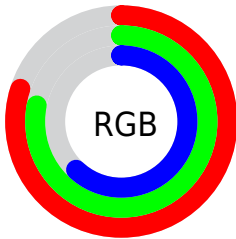
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	164, 204, 158
Decimal	13420446
CIE <sub>Lab</sub>	79.70, -4.87, 21.21
CIE <sub>LCh</sub>	80, 21.760, 102.945
Yxy	56.1528, 0.3477, 0.3791
Android (android.graphics.Color)	4291610526 (0xFFCCC79E)
YUV	195.8210, -18.6458, 7.1730
Hunter-Lab	74.9352, -8.4562, 20.4366

# Details

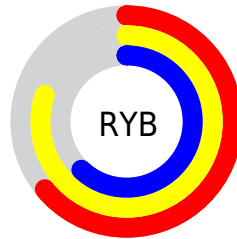
The Yxy color **56.1528, 0.3477, 0.3791** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **37.8313, 0.2754, 0.2734**, and the grayscale version is **55.1986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5841, 0.3376, 0.3701**, and **27.6810, 0.3565, 0.3929** is the 20% darker color. If you saturate the color by 10%, you get **54.4914, 0.3640, 0.4016**, and if you desaturate by 10%, it is **57.9509, 0.3318, 0.3565**.

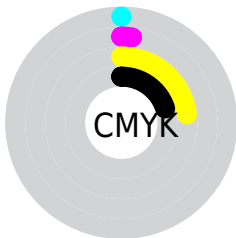
# Distribution



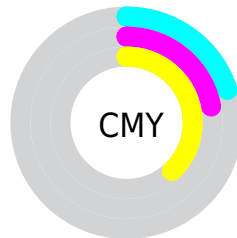
- Red (80%)
- Green (78%)
- Blue (62%)



- Red (64%)
- Yellow (80%)
- Blue (62%)



- Cyan (0%)
- Magenta (2%)
- Yellow (23%)
- Black (20%)




- Cyan (20%)
- Magenta (22%)
- Yellow (38%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.1528, 0.3477, 0.3791 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 56.1528, 0.3477, 0.3791 by changing the saturation by 10% instead.





 56.1528, 0.3477,  
0.3791


 56.1528, 0.3477,  
0.3791


410.2671, 0.3310,  
0.3546

 40.3254, 0.3516,  
0.3850


 99.2280, 0.3418,  
0.3704

 27.7924, 0.3565,  
0.3924


 127.2445, 0.3395,  
0.3670

 18.1692, 0.3628,  
0.4021


160.0930, 0.3376,  
0.3642

 11.0715, 0.3710,  
0.4151

198.1577, 0.3359,  
0.3618

 6.1150, 0.3822,  
0.4335

241.8231, 0.3344,  
0.3596

 2.9151, 0.3979,  
0.4610

291.4735, 0.3331,

 1.0876, 0.4537,

0.3578

0.5463

347.4934, 0.3320,  
0.3561

0.0000, 0.0000,  
0.0000

56.1528, 0.3477,  
0.3791

56.1528, 0.3477,  
0.3791

54.4914, 0.3640,  
0.4016

57.9509, 0.3318,  
0.3565

52.9534, 0.3800,  
0.4233

59.8835, 0.3165,  
0.3345

51.5350, 0.3953,  
0.4432

61.9584, 0.3022,  
0.3135

50.2292, 0.4092,  
0.4602

64.1802, 0.2889,  
0.2938

49.0283, 0.4210,  
0.4737

66.2270, 0.2796,  
0.2804

■ 47.9234, 0.4302,  
0.4828

■ 67.3368, 0.2798,  
0.2829

■ 46.9038, 0.4366,  
0.4875

■ 68.4620, 0.2799,  
0.2854

■ 46.1870, 0.4401,  
0.4888

■ 69.6027, 0.2801,  
0.2878

■ 70.7589, 0.2803,  
0.2903

# Harmonies

## Analogous

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



56.1528, 0.3656, 0.3674



56.1528, 0.3477, 0.3791



56.1528, 0.3208, 0.3767

# Triad

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



56.1528, 0.3477, 0.3791



56.1528, 0.2595, 0.3073



56.1528, 0.3316, 0.3010

# Complementary

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



56.1528, 0.3477, 0.3791



37.8313, 0.2754, 0.2734

# 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.



56.1528, 0.3026, 0.2863



56.1528, 0.3477, 0.3791



56.1528, 0.2620, 0.2889

# Square

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



56.1528, 0.3477, 0.3791



56.1528, 0.2705, 0.3334



56.1528, 0.2774, 0.2817



56.1528, 0.3564, 0.3226



# Rectangle

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



56.1528, 0.3477, 0.3791



56.1528, 0.3017, 0.3667



56.1528, 0.2774, 0.2817



56.1528, 0.3220, 0.2952

# Sweetspot

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



56.1553, 0.3477, 0.3791



97.6648, 0.3233, 0.3444



39.9492, 0.3532, 0.3223



20.8624, 0.3242, 0.3457



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.



56.1553, 0.3477, 0.3791



91.6242, 0.3555, 0.3899



56.1546, 0.3320, 0.3875



12.8791, 0.3268, 0.3495



29.1455, 0.4397, 0.4890



1.5649, 0.4352, 0.4926



# Inverse Universe

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



37.8313, 0.2754, 0.2734



56.1168, 0.2664, 0.2597



37.9995, 0.2899, 0.2690



11.0381, 0.2982, 0.3077



3.1804, 0.1524, 0.0685



0.2323, 0.1591, 0.0925



# Previews

## White Background



This preview shows how the Yxy color 56.1528, 0.3477, 0.3791 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

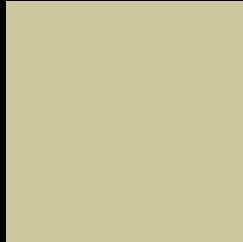
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.1528, 0.3477, 0.3791 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

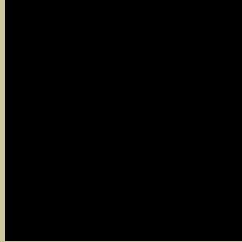
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

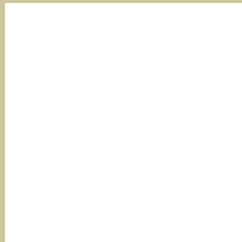
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 56.1528, 0.3477, 0.3791**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.1528, 0.3477, 0.3791.



This preview shows how white text looks on a background with the Yxy color 56.1528, 0.3477, 0.3791.

# 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

56.1528, 0.3477, 0.3791

### Protanopia

56.0685, 0.3541, 0.3772

### Deuteranopia

56.0230, 0.3702, 0.3634



## Tritanopia

55.9059, 0.3159, 0.3116

# Trichromacy



## Original Color

56.1528, 0.3477, 0.3791

## Protanomaly

56.2324, 0.3521, 0.3786

## Deuteranomaly

55.8588, 0.3623, 0.3690

## Tritanomaly

56.1142, 0.3278, 0.3362

# Monochromacy



## Original Color

56.1528, 0.3477, 0.3791

## Achromatopsia

55.2011, 0.3127, 0.3290

## Achromatomaly

55.4520, 0.3255, 0.3474

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.1528, 0.3477, 0.3791 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(204, 199, 158)` looks like.

```
.text, #text, p{  
    color:rgb(204, 199, 158)  
}
```

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(204, 199, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 199, 158) }
```

## Border

The CSS property to change the border of an element to Yxy 56.1528, 0.3477, 0.3791 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(204, 199, 158) }
```

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

```
.border{ border-color:rgb(204, 199, 158) }
```

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

Here you see how a box with a 4 pixel rgb(204, 199, 158) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 199, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 199, 158);  
box-shadow:4px 4px 4px 4px rgb(204, 199,  
158) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.1528, 0.3477, 0.3791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 199, 158) }
```

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

```
.background{ background-color: rgb(204,  
199, 158) }
```

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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