

# Converting Colors

$Y_{xy}(55.6773, 0.3490, 0.3755)$

Have a look what the booklet for  
Yxy(55.6773, 0.3490, 0.3755)  
contains.

<b>Yxy(55.5575, 0.3491, 0.3753)</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(55.5575, 0.3491, 0.3753)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CEC59F
RGB	206, 197, 159
RGB Percent	81%, 77%, 62%
CMY	0.1921, 0.2274, 0.3765
CMYK	0.00, 0.04, 0.23, 0.19
HSL	49°, 32%, 72%
HSV	49°, 23%, 81%
XYZ	51.6790, 55.5575, 40.7984
YIQ	195.3590, 17.5620, -9.9100

# Conversions

## Conversions Part 2

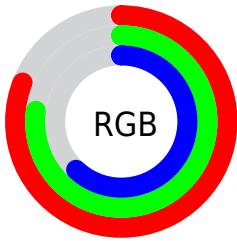
<b>Format</b>	<b>Color</b>
<b>RYB</b>	170, 206, 159
Decimal	13551007
CIELab	79.36, -2.94, 20.23
CIELCh	79, 20.443, 98.282
Yxy	55.5575, 0.3491, 0.3753
Android (android.graphics.Color)	4291741087 (0xFFCEC59F)
YUV	195.3590, -17.9250, 9.3322
Hunter-Lab	74.5369, -6.6794, 19.7229

# Details

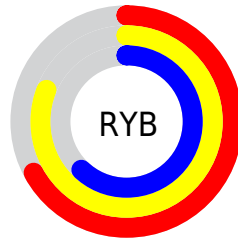
The Yxy color  $55.5575, 0.3491, 0.3753$  is a light color, and the websafe version is hex `CCCC99`. A complement of this color would be  $39.8328, 0.2753, 0.2780$ , and the grayscale version is  $54.9013, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $96.9987, 0.3371, 0.3681$ , and  $27.2858, 0.3587, 0.3877$  is the 20% darker color. If you saturate the color by 10%, you get  $53.1347, 0.3664, 0.3961$ , and if you desaturate by 10%, it is  $58.1514, 0.3325, 0.3546$ .

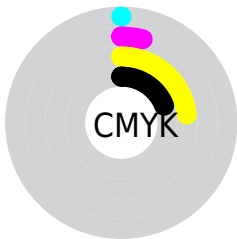
# Distribution



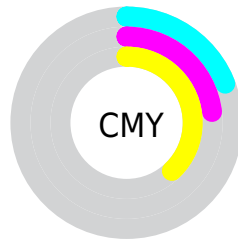
- Red (81%)
- Green (77%)
- Blue (62%)



- Red (67%)
- Yellow (81%)
- Blue (62%)



- Cyan (0%)
- Magenta (4%)
- Yellow (23%)
- Black (19%)




- Cyan (19%)
- Magenta (23%)
- Yellow (38%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.5575, 0.3491, 0.3753 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 55.5575, 0.3491, 0.3753 by changing the saturation by 10% instead.





 55.5575, 0.3491,  
0.3753


 55.5575, 0.3491,  
0.3753


408.0218, 0.3316,  
0.3527

 39.8483, 0.3532,  
0.3807


 98.3573, 0.3429,  
0.3673

 27.4202, 0.3584,  
0.3876


 126.2166, 0.3405,  
0.3642

 17.8891, 0.3651,  
0.3964


158.8948, 0.3385,  
0.3616

 10.8704, 0.3740,  
0.4084

196.7762, 0.3367,  
0.3593

 5.9797, 0.3862,  
0.4252

240.2452, 0.3352,  
0.3574

 2.8328, 0.4036,  
0.4502

289.6862, 0.3339,

 1.0451, 0.4669,

0.3556

0.5331

345.4836, 0.3327,  
0.3541

0.0000, 0.0000,  
0.0000

55.5575, 0.3491,  
0.3753

55.5575, 0.3491,  
0.3753

53.1347, 0.3664,  
0.3961

58.1514, 0.3325,  
0.3546

50.8693, 0.3840,  
0.4162

60.9147, 0.3169,  
0.3345

48.7570, 0.4013,  
0.4347

63.8555, 0.3025,  
0.3154

46.7903, 0.4175,  
0.4506

66.9789, 0.2893,  
0.2975

44.9611, 0.4319,  
0.4630

69.8308, 0.2814,  
0.2879

■ 43.2598, 0.4439,  
0.4710

■ 71.8861, 0.2816,  
0.2922

■ 41.6753, 0.4530,  
0.4743

■ 73.9903, 0.2819,  
0.2966

■ 40.5956, 0.4581,  
0.4745

■ 76.1438, 0.2821,  
0.3009

■ 78.3469, 0.2824,  
0.3051

# Harmonies

## Analogous

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



55.5575, 0.3641, 0.3627



55.5575, 0.3491, 0.3753



55.5575, 0.3246, 0.3752

# Triad

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



55.5575, 0.3491, 0.3753



55.5575, 0.2633, 0.3121



55.5575, 0.3264, 0.2999

# Complementary

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



55.5575, 0.3491, 0.3753



39.8328, 0.2753, 0.2780

# 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.



55.5575, 0.2991, 0.2873



55.5575, 0.3491, 0.3753



55.5575, 0.2636, 0.2932

# Square

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



55.5575, 0.3491, 0.3753



55.5575, 0.2755, 0.3372



55.5575, 0.2764, 0.2846



55.5575, 0.3508, 0.3196



# Rectangle

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



55.5575, 0.3491, 0.3753



55.5575, 0.3065, 0.3671



55.5575, 0.2764, 0.2846



55.5575, 0.3172, 0.2947

# Sweetspot

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



55.5600, 0.3491, 0.3753



96.7412, 0.3234, 0.3430



40.7600, 0.3500, 0.3173



20.6479, 0.3244, 0.3442



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.



55.5600, 0.3491, 0.3753



88.2043, 0.3569, 0.3847



57.8434, 0.3354, 0.3877



12.7172, 0.3270, 0.3476



25.1309, 0.4574, 0.4750



1.3928, 0.4487, 0.4820



# Inverse Universe

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



39.8328, 0.2753, 0.2780



58.6802, 0.2670, 0.2663



38.1473, 0.2862, 0.2676



11.1860, 0.2982, 0.3097



3.7635, 0.1554, 0.0794



0.3006, 0.1652, 0.1146



# Previews

## White Background



This preview shows how the Yxy color 55.5575, 0.3491, 0.3753 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

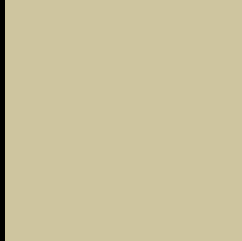
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.5575, 0.3491, 0.3753 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

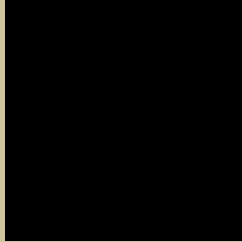
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

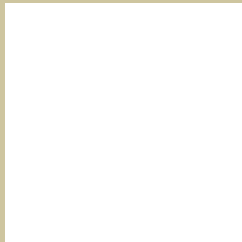
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.5575, 0.3491, 0.3753**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.5575, 0.3491, 0.3753.



This preview shows how white text looks on a background with the Yxy color 55.5575, 0.3491, 0.3753.

# 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

55.5575, 0.3491, 0.3753

### Protanopia

55.5384, 0.3519, 0.3738

### Deuteranopia

55.4624, 0.3688, 0.3613



## Tritanopia

55.7149, 0.3184, 0.3116

# Trichromacy



## Original Color

55.5575, 0.3491, 0.3753

## Protanomaly

55.3930, 0.3511, 0.3739

## Deuteranomaly

55.4530, 0.3617, 0.3667

## Tritanomaly

55.5157, 0.3297, 0.3338

# Monochromacy



## Original Color

55.5575, 0.3491, 0.3753

## Achromatopsia

54.5724, 0.3127, 0.3290

## Achromatomaly

54.9994, 0.3256, 0.3462

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.5575, 0.3491, 0.3753 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(206, 197, 159)` looks like.

```
.text, #text, p{  
    color:rgb(206, 197, 159)  
}
```

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(206, 197, 159) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(206, 197, 159) }
```

## Border

The CSS property to change the border of an element to Yxy 55.5575, 0.3491, 0.3753 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(206, 197, 159) }
```

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

```
.border{ border-color:rgb(206, 197, 159) }
```

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

Here you see how a box with a 4 pixel `rgb(206, 197, 159)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(206, 197, 159); -webkit-box-shadow:4px 4px 4px 4px rgb(206, 197, 159); box-shadow:4px 4px 4px 4px rgb(206, 197, 159) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.5575, 0.3491, 0.3753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(206, 197, 159) }
```

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

```
.background{ background-color: rgb(206,  
197, 159) }
```

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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