

# Converting Colors

Yxy(55.1451, 0.3607, 0.4026)

Have a look what the booklet for  
Yxy(55.1451, 0.3607, 0.4026)  
contains.

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# Color

**Yxy(55.2675, 0.3604, 0.4028)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CAC78B
RGB	202, 199, 139
RGB Percent	79%, 78%, 55%
CMY	0.2077, 0.2196, 0.4549
CMYK	0.00, 0.02, 0.31, 0.21
HSL	57°, 37%, 67%
HSV	57°, 31%, 79%
XYZ	49.4499, 55.2675, 32.4909
YIQ	193.0570, 21.0480, -18.0240

# Conversions

## Conversions Part 2

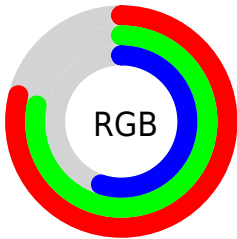
Format	Color
<a href="#">RYB</a>	<a href="#">142, 202, 139</a>
Decimal	<a href="#">13289355</a>
CIELab	<a href="#">79.20, -8.18, 30.48</a>
CIElCh	<a href="#">79, 31.560, 105.026</a>
Yxy	<a href="#">55.2675, 0.3604, 0.4028</a>
Android (android.graphics.Color)	<a href="#">4291479435</a> ( <a href="#">0xFFCAC78B</a> )
YUV	<a href="#">193.0570, -26.6501, 7.8430</a>
Hunter-Lab	<a href="#">74.3421, -11.3665, 26.1270</a>

# Details

The Yxy color **55.2675, 0.3604, 0.4028** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **29.1207, 0.2583, 0.2427**, and the grayscale version is **53.5190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6303, 0.3496, 0.3900**, and **27.1584, 0.3720, 0.4224** is the 20% darker color. If you saturate the color by 10%, you get **54.2843, 0.3755, 0.4257**, and if you desaturate by 10%, it is **56.3678, 0.3449, 0.3790**.

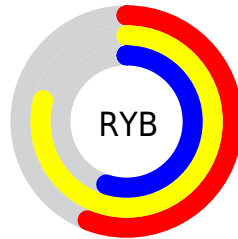
# Distribution



Red (79%)

Green (78%)

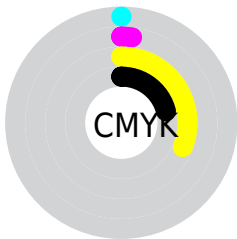
Blue (55%)



Red (56%)

Yellow (79%)

Blue (55%)

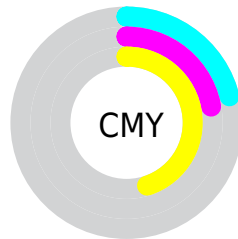


Cyan (0%)

Magenta (2%)

Yellow (31%)

Black (21%)



Cyan (21%)

Magenta (22%)


Yellow (45%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.2675, 0.3604, 0.4028 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 55.2675, 0.3604, 0.4028 by changing the saturation by 10% instead.




 55.2675, 0.3604,  
0.4028

 55.2675, 0.3604,  
0.4028


406.9251, 0.3379,  
0.3667


 39.6159, 0.3655,  
0.4115

 97.9328, 0.3526,  
0.3899

 27.2392, 0.3718,  
0.4224


 125.7153, 0.3495,  
0.3850

 17.7530, 0.3796,  
0.4364


 158.3102, 0.3469,  
0.3808

 10.7728, 0.3894,  
0.4550


196.1020, 0.3446,  
0.3772

 5.9143, 0.4015,  
0.4804

239.4749, 0.3426,  
0.3740

 2.7930, 0.4303,  
0.5347

288.8135, 0.3409,

 1.0246, 0.4284,

0.3713

0.5716

344.5021, 0.3393,  
0.3688

0.0000, 0.0000,  
0.0000

55.2675, 0.3604,  
0.4028

55.2675, 0.3604,  
0.4028

54.2843, 0.3755,  
0.4257

56.3678, 0.3449,  
0.3790

53.4045, 0.3896,  
0.4468

57.5832, 0.3294,  
0.3551

52.6242, 0.4021,  
0.4650


58.9214, 0.3145,  
0.3317

51.9359, 0.4124,  
0.4795


60.3872, 0.3003,  
0.3095

51.3312, 0.4202,  
0.4899


61.9854, 0.2870,  
0.2885


 50.8001, 0.4253,  
0.4959

 63.3782, 0.2779,  
0.2743

 50.3773, 0.4281,  
0.4983

 63.8472, 0.2780,  
0.2754

 64.3191, 0.2781,  
0.2765

 64.7939, 0.2782,  
0.2776

# Harmonies

## Analogous

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



55.2675, 0.3884, 0.3852



55.2675, 0.3604, 0.4028



55.2675, 0.3207, 0.3990

# Triad

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



55.2675, 0.3604, 0.4028



55.2675, 0.2364, 0.2941



55.2675, 0.3428, 0.2909

# Complementary

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



55.2675, 0.3604, 0.4028



29.1207, 0.2583, 0.2427

# 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.



55.2675, 0.3003, 0.2695



55.2675, 0.3604, 0.4028



55.2675, 0.2412, 0.2695

# Square

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



55.2675, 0.3604, 0.4028



55.2675, 0.2502, 0.3318



55.2675, 0.2638, 0.2615



55.2675, 0.3786, 0.3213



# Rectangle

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



55.2675, 0.3604, 0.4028



55.2675, 0.2932, 0.3832



55.2675, 0.2638, 0.2615



55.2675, 0.3287, 0.2825

# Sweetspot

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



55.2700, 0.3604, 0.4028



97.9023, 0.3263, 0.3502



32.9888, 0.3794, 0.3251



20.8861, 0.3285, 0.3536



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.



55.2700, 0.3604, 0.4028



92.4614, 0.3700, 0.4174



53.0874, 0.3356, 0.4126



13.0000, 0.3267, 0.3508



32.4405, 0.4279, 0.4984



1.7028, 0.4261, 0.4999



# Inverse Universe

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



29.1207, 0.2583, 0.2427



41.7494, 0.2454, 0.2219



30.9911, 0.2830, 0.2442



10.9296, 0.2982, 0.3062



2.9182, 0.1510, 0.0634

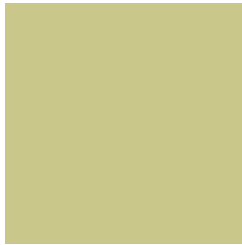


0.1818, 0.1542, 0.0749



# Previews

## White Background



This preview shows how the Yxy color 55.2675, 0.3604, 0.4028 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 55.2675, 0.3604, 0.4028 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

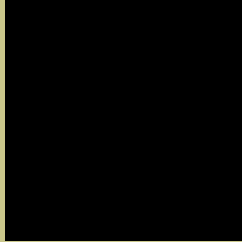
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

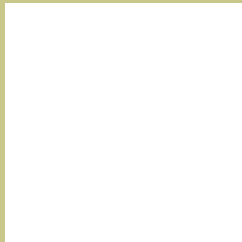
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 55.2675, 0.3604, 0.4028**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.2675, 0.3604, 0.4028.



This preview shows how white text looks on a background with the Yxy color 55.2675, 0.3604, 0.4028.

# 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

55.2675, 0.3604, 0.4028

### Protanopia

55.3119, 0.3709, 0.3985

### Deuteranopia

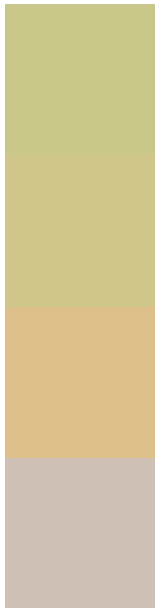
55.2132, 0.3903, 0.3821



## Tritanopia

54.9363, 0.3176, 0.3115

# Trichromacy



## Original Color

55.2675, 0.3604, 0.4028

## Protanomaly

55.1774, 0.3670, 0.4005

## Deuteranomaly

55.1223, 0.3797, 0.3897

## Tritanomaly

54.7415, 0.3335, 0.3435

# Monochromacy



## Original Color

55.2675, 0.3604, 0.4028

## Achromatopsia

53.3276, 0.3127, 0.3290

## Achromatomaly

53.7831, 0.3302, 0.3564

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.2675, 0.3604, 0.4028 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(202, 199, 139)` looks like.

```
.text, #text, p{  
    color:rgb(202, 199, 139)  
}
```

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(202, 199, 139) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 199, 139) }
```

## Border

The CSS property to change the border of an element to Yxy 55.2675, 0.3604, 0.4028 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(202, 199, 139) }
```

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

```
.border{ border-color:rgb(202, 199, 139) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 199, 139)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 199, 139); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 199, 139);  
box-shadow:4px 4px 4px 4px rgb(202, 199,  
139) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.2675, 0.3604, 0.4028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 199, 139) }
```

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

```
.background{ background-color: rgb(202,  
199, 139) }
```

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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