

# Converting Colors

$Y_{xy}(55.0770, 0.3570, 0.4326)$

Have a look what the booklet for  
Yxy(55.0770, 0.3570, 0.4326)  
contains.

<b>Yxy(55.0300, 0.3570, 0.4332)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(55.0300, 0.3570, 0.4332)**

# Conversions

## Conversions Part 1

Format	Color
Hex	BACC7A
RGB	186, 204, 122
RGB Percent	73%, 80%, 48%
CMY	0.2707, 0.1999, 0.5215
CMYK	0.09, 0.00, 0.40, 0.20
HSL	73°, 45%, 64%
HSV	73°, 40%, 80%
XYZ	45.3502, 55.0300, 26.6512
YIQ	189.2700, 15.5940, -29.3180

# Conversions

## Conversions Part 2

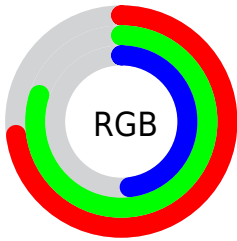
<b>Format</b>	<b>Color</b>
R <sub>YB</sub>	122, 204, 140
Decimal	12242042
CIE <sub>Lab</sub>	79.06, -19.03, 38.79
CIE <sub>LCh</sub>	79, 43.203, 116.133
Yxy	55.0300, 0.3570, 0.4332
Android (android.graphics.Color)	4290432122 (0xFFBACC7A)
YUV	189.2700, -33.1641, -2.8678
Hunter-Lab	74.1822, -20.6955, 30.6266

# Details

The Yxy color **55.0300, 0.3570, 0.4332** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **23.8671, 0.2544, 0.2116**, and the grayscale version is **51.2377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7093, 0.3515, 0.4089**, and **27.1732, 0.3666, 0.4621** is the 20% darker color. If you saturate the color by 10%, you get **54.0250, 0.3663, 0.4586**, and if you desaturate by 10%, it is **56.1638, 0.3466, 0.4067**.

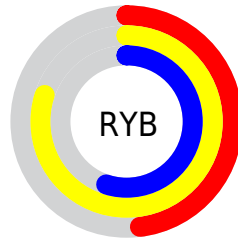
# Distribution



Red (73%)

Green (80%)

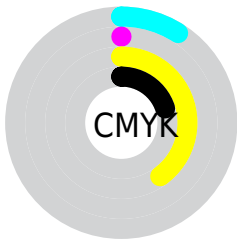
Blue (48%)



Red (48%)

Yellow (80%)

Blue (55%)

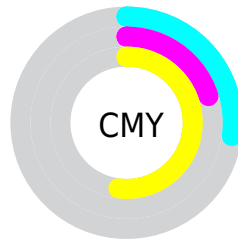


Cyan (9%)

Magenta (0%)

Yellow (40%)

Black (20%)



Cyan (27%)

Magenta (20%)


Yellow (52%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.0300, 0.3570, 0.4332 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 55.0300, 0.3570, 0.4332 by changing the saturation by 10% instead.





 55.0300, 0.3570,  
0.4332

 55.0300, 0.3570,  
0.4332


406.0256, 0.3372,  
0.3814


 39.4257, 0.3611,  
0.4458


 97.5849, 0.3504,  
0.4146

 27.0911, 0.3658,  
0.4616


 125.3043, 0.3477,  
0.4075

 17.6416, 0.3711,  
0.4820


 157.8310, 0.3454,  
0.4015

 10.6930, 0.3764,  
0.5089

195.5492, 0.3434,  
0.3963

 5.8608, 0.3807,  
0.5457

238.8433, 0.3415,  
0.3919

 2.7606, 0.3883,  
0.6117

288.0979, 0.3399,

 1.0081, 0.3265,

0.3879

0.6735

343.6972, 0.3385,  
0.3845

0.0000, 0.0000,  
0.0000

55.0300, 0.3570,  
0.4332

55.0300, 0.3570,  
0.4332

54.0250, 0.3663,  
0.4586

56.1638, 0.3466,  
0.4067

53.1345, 0.3738,  
0.4819

57.4252, 0.3355,  
0.3801

52.3534, 0.3792,  
0.5019


58.8225, 0.3241,  
0.3541

51.6730, 0.3820,  
0.5177


60.3612, 0.3129,  
0.3295

51.0831, 0.3823,  
0.5289


62.0463, 0.3021,  
0.3064

 50.5735, 0.3806,  
0.5360

 63.8827, 0.2919,  
0.2851

 65.2253, 0.2883,  
0.2750

 65.9246, 0.2914,  
0.2755

 66.6428, 0.2945,  
0.2760

# Harmonies

## Analogous

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



55.0300, 0.4034, 0.4155



55.0300, 0.3570, 0.4332



55.0300, 0.3011, 0.4170

# Triad

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



55.0300, 0.3570, 0.4332



55.0300, 0.2106, 0.2657



55.0300, 0.3740, 0.2915

# Complementary

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



55.0300, 0.3570, 0.4332



23.8671, 0.2544, 0.2116

# 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.



55.0300, 0.3163, 0.2587



55.0300, 0.3570, 0.4332



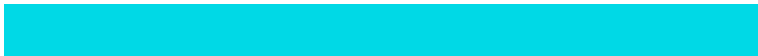
55.0300, 0.2256, 0.2425

# Square

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



55.0300, 0.3570, 0.4332



55.0300, 0.2191, 0.3106



55.0300, 0.2625, 0.2411



55.0300, 0.4158, 0.3335



# Rectangle

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



55.0300, 0.3570, 0.4332



55.0300, 0.2662, 0.3872



55.0300, 0.2625, 0.2411



55.0300, 0.3555, 0.2792

# Sweetspot

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



55.0325, 0.3570, 0.4332



96.9283, 0.3264, 0.3592



32.9394, 0.4040, 0.3523



20.6796, 0.3279, 0.3626



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.



55.0325, 0.3570, 0.4332



89.7056, 0.3649, 0.4548



50.6406, 0.3239, 0.4453



12.9673, 0.3232, 0.3521



31.8694, 0.3812, 0.5355



1.6757, 0.3890, 0.5293



# Inverse Universe

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



23.8671, 0.2544, 0.2116



31.3124, 0.2391, 0.1835



28.0829, 0.2936, 0.2237



10.9611, 0.3016, 0.3053



3.1279, 0.1622, 0.0667

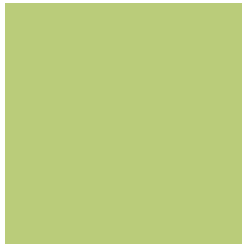


0.1959, 0.1820, 0.0776



# Previews

## White Background



This preview shows how the Yxy color 55.0300, 0.3570, 0.4332 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 55.0300, 0.3570, 0.4332 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

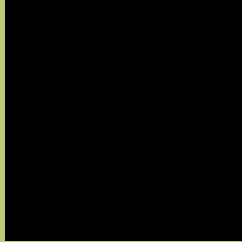
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 55.0300, 0.3570, 0.4332**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.0300, 0.3570, 0.4332.



This preview shows how white text looks on a background with the Yxy color 55.0300, 0.3570, 0.4332.

# 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

55.0300, 0.3570, 0.4332

### Protanopia

55.1079, 0.3868, 0.4196

### Deuteranopia

54.7092, 0.4047, 0.3968



## Tritanopia

55.0573, 0.3041, 0.3111

# Trichromacy



## Original Color

55.0300, 0.3570, 0.4332

## Protanomaly

55.0403, 0.3759, 0.4248

## Deuteranomaly

54.3723, 0.3865, 0.4090

## Tritanomaly

54.8999, 0.3243, 0.3552

# Monochromacy



## Original Color

55.0300, 0.3570, 0.4332

## Achromatopsia

50.8881, 0.3127, 0.3290

## Achromatomaly

51.9916, 0.3298, 0.3662

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.0300, 0.3570, 0.4332 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(186, 204, 122)` looks like.

```
.text, #text, p{  
    color:rgb(186, 204, 122)  
}
```

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(186, 204, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 204, 122) }
```

## Border

The CSS property to change the border of an element to Yxy 55.0300, 0.3570, 0.4332 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(186, 204, 122) }
```

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

```
.border{ border-color:rgb(186, 204, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(186, 204, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 204, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 204, 122);  
box-shadow:4px 4px 4px 4px rgb(186, 204,  
122) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.0300, 0.3570, 0.4332 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 204, 122) }
```

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

```
.background{ background-color: rgb(186,  
204, 122) }
```

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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