

# Converting Colors

$Yxy(56.5346, 0.3376, 0.3994)$

Have a look what the booklet for  
Yxy(56.5346, 0.3376, 0.3994)  
contains.

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# Color

**Yxy(56.3038, 0.3372, 0.3990)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	BACD96
RGB	186, 205, 150
RGB Percent	73%, 80%, 59%
CMY	0.2707, 0.1960, 0.4117
CMYK	0.09, 0.00, 0.27, 0.20
HSL	81°, 35%, 70%
HSV	81°, 27%, 80%
XYZ	47.5831, 56.3038, 37.2254
YIQ	193.0490, 6.3310, -21.1330

# Conversions

## Conversions Part 2

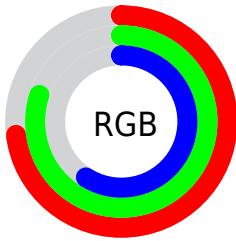
Format	Color
<a href="#">RYB</a>	<a href="#">150, 205, 169</a>
Decimal	<a href="#">12242326</a>
CIELab	<a href="#">79.79, -15.86, 25.30</a>
CIELCh	<a href="#">80, 29.859, 122.076</a>
Yxy	<a href="#">56.3038, 0.3372, 0.3990</a>
Android (android.graphics.Color)	<a href="#">4290432406 (0xFFBACD96)</a>
YUV	<a href="#">193.0490, -21.2232, -6.1820</a>
Hunter-Lab	<a href="#">75.0359, -18.1192, 23.1112</a>

# Details

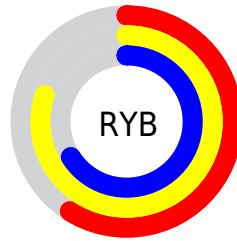
The Yxy color **56.3038, 0.3372, 0.3990** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **34.6724, 0.2829, 0.2560**, and the grayscale version is **53.4832, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9343, 0.3350, 0.3803**, and **27.9396, 0.3420, 0.4185** is the 20% darker color. If you saturate the color by 10%, you get **54.8355, 0.3457, 0.4270**, and if you desaturate by 10%, it is **57.9368, 0.3282, 0.3717**.

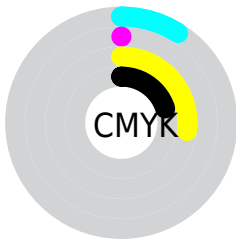
# Distribution



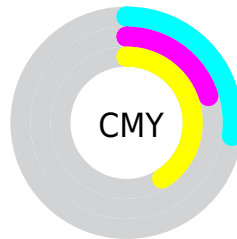
- Red (73%)
- Green (80%)
- Blue (59%)



- Red (59%)
- Yellow (80%)
- Blue (66%)



- Cyan (9%)
- Magenta (0%)
- Yellow (27%)
- Black (20%)




- Cyan (27%)
- Magenta (20%)
- Yellow (41%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 56.3038, 0.3372, 0.3990 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 56.3038, 0.3372, 0.3990 by changing the saturation by 10% instead.





 56.3038, 0.3372,  
0.3990

 56.3038, 0.3372,  
0.3990


410.8354, 0.3260,  
0.3642

 40.4466, 0.3397,  
0.4076


 99.4486, 0.3334,  
0.3864

 27.8869, 0.3426,  
0.4185


 127.5050, 0.3319,  
0.3817

 18.2404, 0.3462,  
0.4328

160.3965, 0.3306,  
0.3777

 11.1227, 0.3504,  
0.4524

198.5076, 0.3294,  
0.3742

 6.1494, 0.3553,  
0.4806

242.2226, 0.3284,  
0.3712

 2.9362, 0.3620,  
0.5273

291.9260, 0.3275,

 1.0985, 0.3691,

0.3686

0.6309

348.0021, 0.3267,  
0.3663

0.0000, 0.0000,  
0.0000

56.3038, 0.3372,  
0.3990

56.3038, 0.3372,  
0.3990

54.8355, 0.3457,  
0.4270

57.9368, 0.3282,  
0.3717

53.5177, 0.3531,  
0.4547

59.7332, 0.3190,  
0.3457

52.3459, 0.3591,  
0.4811


61.7014, 0.3098,  
0.3215

51.3119, 0.3630,  
0.5048


63.8468, 0.3010,  
0.2992

50.4070, 0.3646,  
0.5247


66.1748, 0.2927,  
0.2789

 49.6209, 0.3637,  
0.5399


 67.4735, 0.2961,  
0.2773

 48.9402, 0.3605,  
0.5502

 68.6622, 0.3011,  
0.2780

 48.7383, 0.3593,  
0.5529

 69.8991, 0.3062,  
0.2788

 71.1849, 0.3113,  
0.2796

# Harmonies

## Analogous

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



56.3038, 0.3710, 0.3934



56.3038, 0.3372, 0.3990



56.3038, 0.2982, 0.3825

# Triad

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



56.3038, 0.3372, 0.3990



56.3038, 0.2411, 0.2812



56.3038, 0.3617, 0.3087

# Complementary

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



56.3038, 0.3372, 0.3990



34.6724, 0.2829, 0.2560

# 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.



56.3038, 0.3239, 0.2830



56.3038, 0.3372, 0.3990



56.3038, 0.2555, 0.2667

# Square

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



56.3038, 0.3372, 0.3990



56.3038, 0.2442, 0.3106



56.3038, 0.2850, 0.2678



56.3038, 0.3864, 0.3401



# Rectangle

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



56.3038, 0.3372, 0.3990



56.3038, 0.2746, 0.3610



56.3038, 0.2850, 0.2678



56.3038, 0.3500, 0.2992

# Sweetspot

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



56.3063, 0.3372, 0.3990



97.4400, 0.3201, 0.3490



43.3204, 0.3640, 0.3524



20.7575, 0.3215, 0.3529



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.



56.3063, 0.3372, 0.3990



90.8426, 0.3420, 0.4146



53.2610, 0.3160, 0.4038



12.8948, 0.3213, 0.3523



30.3926, 0.3601, 0.5523



1.6090, 0.3719, 0.5429



# Inverse Universe

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



34.6724, 0.2829, 0.2560



49.7689, 0.2753, 0.2389



37.9454, 0.3073, 0.2611



11.0297, 0.3035, 0.3054



3.6253, 0.1771, 0.0749



0.2290, 0.1995, 0.0873



# Previews

## White Background



This preview shows how the Yxy color 56.3038, 0.3372, 0.3990 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

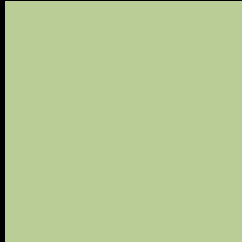
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 56.3038, 0.3372, 0.3990 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

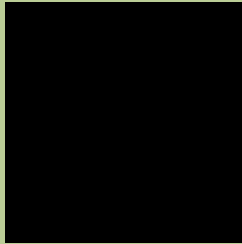
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 56.3038, 0.3372, 0.3990**

## **Background**



This preview shows how black text looks on a background with the Yxy color 56.3038, 0.3372, 0.3990.



This preview shows how white text looks on a background with the Yxy color 56.3038, 0.3372, 0.3990.

# 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

56.3038, 0.3372, 0.3990

### Protanopia

56.0361, 0.3636, 0.3889

### Deuteranopia

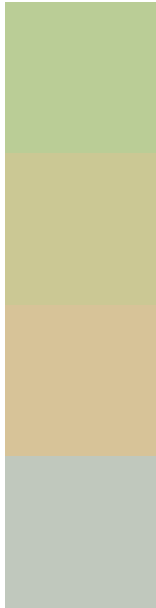
56.1157, 0.3778, 0.3712



## Tritanopia

56.2881, 0.3004, 0.3111

# Trichromacy



**Original Color**

56.3038, 0.3372, 0.3990

**Protanomaly**

56.1432, 0.3542, 0.3927

**Deuteranomaly**

55.7443, 0.3629, 0.3802

**Tritanomaly**

56.1891, 0.3144, 0.3425

# Monochromacy



**Original Color**

56.3038, 0.3372, 0.3990

**Achromatopsia**

53.3276, 0.3127, 0.3290

**Achromatomaly**

54.0540, 0.3219, 0.3542

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 56.3038, 0.3372, 0.3990 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, 205, 150)` looks like.

```
.text, #text, p{  
    color:rgb(186, 205, 150)  
}
```

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, 205, 150) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(186, 205, 150) }
```

## Border

The CSS property to change the border of an element to Yxy 56.3038, 0.3372, 0.3990 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, 205, 150) }
```

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

```
.border{ border-color:rgb(186, 205, 150) }
```

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

Here you see how a box with a 4 pixel rgb(186, 205, 150) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(186, 205, 150); -webkit-box-  
shadow:4px 4px 4px 4px rgb(186, 205, 150);  
box-shadow:4px 4px 4px 4px rgb(186, 205,  
150) }
```



# Background

The CSS property to change the background color of an element to Yxy 56.3038, 0.3372, 0.3990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(186, 205, 150) }
```

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

```
.background{ background-color: rgb(186,  
205, 150) }
```

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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