

# Converting Colors

Yxy(55.4406, 0.4127, 0.4837)

Have a look what the booklet for  
Yxy(55.4406, 0.4127, 0.4837)  
contains.

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# Color

**Yxy(55.3145, 0.4135, 0.4834)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFC937
RGB	207, 201, 55
RGB Percent	81%, 79%, 22%
CMY	0.1881, 0.2118, 0.7843
CMYK	0.00, 0.03, 0.73, 0.19
HSL	58°, 61%, 51%
HSV	58°, 73%, 81%
XYZ	47.3160, 55.3145, 11.7975
YIQ	186.1500, 50.4420, -44.1340

# Conversions

## Conversions Part 2

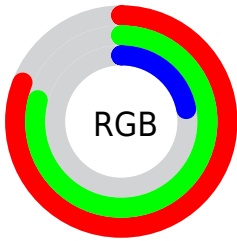
Format	Color
<a href="#">RYB</a>	<a href="#">61, 207, 55</a>
Decimal	<a href="#">13617463</a>
CIELab	<a href="#">79.22, -14.17, 68.83</a>
CIELCh	<a href="#">79, 70.272, 101.632</a>
Yxy	<a href="#">55.3145, 0.4135, 0.4834</a>
Android (android.graphics.Color)	<a href="#">4291807543 (0xFFCFC937)</a>
YUV	<a href="#">186.1500, -64.6570, 18.2854</a>
Hunter-Lab	<a href="#">74.3737, -16.5937, 42.6567</a>

# Details

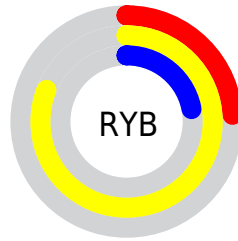
The Yxy color **55.3145, 0.4135, 0.4834** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **8.6618, 0.1746, 0.1042**, and the grayscale version is **49.5440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9499, 0.3935, 0.4625**, and **27.2570, 0.4216, 0.5034** is the 20% darker color. If you saturate the color by 10%, you get **54.7759, 0.4204, 0.4928**, and if you desaturate by 10%, it is **55.9436, 0.4040, 0.4697**.

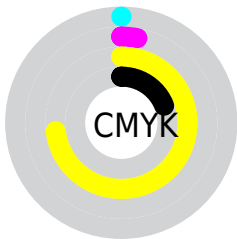
# Distribution



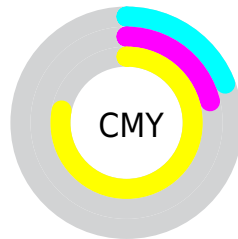
- Red (81%)
- Green (79%)
- Blue (22%)



- Red (24%)
- Yellow (81%)
- Blue (22%)



- Cyan (0%)
- Magenta (3%)
- Yellow (73%)
- Black (19%)




- Cyan (19%)
- Magenta (21%)
- Yellow (78%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 55.3145, 0.4135, 0.4834 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 55.3145, 0.4135, 0.4834 by changing the saturation by 10% instead.





 55.3145, 0.4135,  
0.4834


 55.3145, 0.4135,  
0.4834

407.1030, 0.3712,  
0.4121

 39.6536, 0.4206,  
0.4980


 98.0016, 0.4006,  
0.4597


 27.2685, 0.4276,  
0.5145


 125.7966, 0.3950,  
0.4501


 17.7750, 0.4335,  
0.5326


 158.4050, 0.3899,  
0.4417

 10.7886, 0.4415,  
0.5585

 196.2113, 0.3854,  
0.4343

 5.9249, 0.4311,  
0.5689

 239.5998, 0.3813,  
0.4278

 2.7994, 0.4147,  
0.5853

288.9550, 0.3776,

 1.0279, 0.3779,

0.4220

0.6221

344.6613, 0.3743,  
0.4168

0.0000, 0.0000,  
0.0000

55.3145, 0.4135,  
0.4834

55.3145, 0.4135,  
0.4834

54.7759, 0.4204,  
0.4928

55.9436, 0.4040,  
0.4697

54.3087, 0.4247,  
0.4979

56.6647, 0.3921,  
0.4522

54.0292, 0.4265,  
0.4996

57.4884, 0.3785,  
0.4315

58.4219, 0.3637,  
0.4088

59.4717, 0.3483,  
0.3849

■ 60.6439, 0.3328,  
0.3607

■ 61.9440, 0.3177,  
0.3370

■ 63.3772, 0.3034,  
0.3142

■ 64.9485, 0.2899,  
0.2927

# Harmonies

## Analogous

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



55.3145, 0.4754, 0.4272



55.3145, 0.4135, 0.4834



55.3145, 0.3301, 0.4990

# Triad

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



55.3145, 0.4135, 0.4834



55.3145, 0.1601, 0.2540



55.3145, 0.3655, 0.2448

# Complementary

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



55.3145, 0.4135, 0.4834



8.6618, 0.1746, 0.1042

# 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.



55.3145, 0.2726, 0.2076



55.3145, 0.4135, 0.4834



55.3145, 0.1665, 0.2069

# Square

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



55.3145, 0.4135, 0.4834



55.3145, 0.1862, 0.3397



55.3145, 0.2037, 0.1936



55.3145, 0.4526, 0.2991



# Rectangle

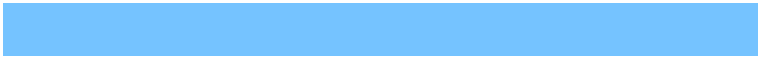
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



55.3145, 0.4135, 0.4834



55.3145, 0.2730, 0.4689



55.3145, 0.2037, 0.1936



55.3145, 0.3332, 0.2301

# Sweetspot

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



55.3171, 0.4135, 0.4834



95.4846, 0.3465, 0.3821



16.3581, 0.5524, 0.3228



20.3334, 0.3507, 0.3887



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.



55.3171, 0.4135, 0.4834



87.3183, 0.4231, 0.4962



50.3756, 0.3516, 0.5273



13.7137, 0.3267, 0.3511



34.0618, 0.4264, 0.4997



1.9301, 0.4250, 0.5008



# Inverse Universe

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



8.6618, 0.1746, 0.1042



8.9904, 0.1564, 0.0727



11.4818, 0.2255, 0.1241



11.4919, 0.2982, 0.3059



2.9835, 0.1508, 0.0628



0.1939, 0.1533, 0.0717



# Previews

## White Background



This preview shows how the Yxy color 55.3145, 0.4135, 0.4834 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

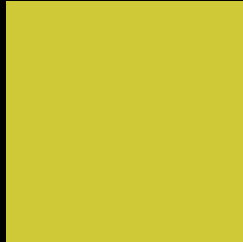
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 55.3145, 0.4135, 0.4834 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 55.3145, 0.4135, 0.4834**

## **Background**



This preview shows how black text looks on a background with the Yxy color 55.3145, 0.4135, 0.4834.



This preview shows how white text looks on a background with the Yxy color 55.3145, 0.4135, 0.4834.

# 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

55.3145, 0.4135, 0.4834

### Protanopia

55.4145, 0.4282, 0.4732

### Deuteranopia

55.0476, 0.4567, 0.4457



## Tritanopia

55.2908, 0.3275, 0.3130

# Trichromacy



## Original Color

55.3145, 0.4135, 0.4834

## Protanomaly

55.1016, 0.4231, 0.4769

## Deuteranomaly

54.7332, 0.4415, 0.4586

## Tritanomaly

54.7569, 0.3660, 0.3816

# Monochromacy



## Original Color

55.3145, 0.4135, 0.4834

## Achromatopsia

49.1021, 0.3127, 0.3290

## Achromatomaly

50.5659, 0.3568, 0.3968

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 55.3145, 0.4135, 0.4834 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(207, 201, 55)` looks like.

```
.text, #text, p{  
    color:rgb(207, 201, 55)  
}
```

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(207, 201, 55) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 201, 55) }
```

## Border

The CSS property to change the border of an element to Yxy 55.3145, 0.4135, 0.4834 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(207, 201, 55) }
```

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

```
.border{ border-color:rgb(207, 201, 55) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 201, 55)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 201, 55); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 201, 55);  
box-shadow:4px 4px 4px 4px rgb(207, 201,  
55) }
```



# Background

The CSS property to change the background color of an element to Yxy 55.3145, 0.4135, 0.4834 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 201, 55) }
```

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

```
.background{ background-color: rgb(207,  
201, 55) }
```

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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