

# Converting Colors

$Yxy(72.5034, 0.3395, 0.4060)$

Have a look what the booklet for  
Yxy(72.5034, 0.3395, 0.4060)  
contains.

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# Color

**Yxy(72.5034, 0.3395, 0.4060)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CFE6A3
RGB	207, 230, 163
RGB Percent	81%, 90%, 64%
CMY	0.1885, 0.0980, 0.3608
CMYK	0.10, 0.00, 0.29, 0.10
HSL	81°, 57%, 77%
HSV	81°, 29%, 90%
XYZ	60.6278, 72.5034, 45.4486
YIQ	215.4850, 7.7990, -25.7130

# Conversions

## Conversions Part 2

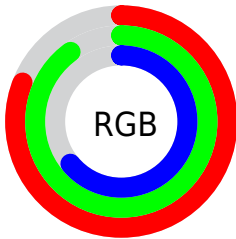
<b>Format</b>	<b>Color</b>
<b>RYB</b>	163, 230, 186
Decimal	13624995
CIELab	88.21, -18.77, 30.20
CIELCh	88, 35.563, 121.863
Yxy	72.5034, 0.3395, 0.4060
Android (android.graphics.Color)	4291815075 (0xFFCFE6A3)
YUV	215.4850, -25.8751, -7.4413
Hunter-Lab	85.1489, -21.9148, 27.9580

# Details

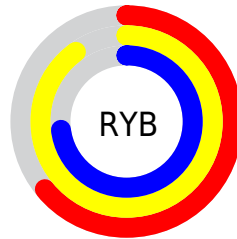
The Yxy color **72.5034, 0.3395, 0.4060** is a light color, and the websafe version is hex **CCCC99**. A complement of this color would be **42.3576, 0.2794, 0.2484**, and the grayscale version is **68.4717, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **38.0952, 0.3447, 0.4242** is the 20% darker color. If you saturate the color by 10%, you get **70.6437, 0.3478, 0.4342**, and if you desaturate by 10%, it is **74.5767, 0.3305, 0.3783**.

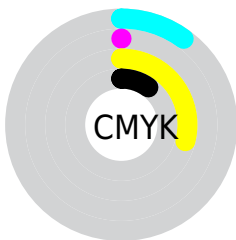
# Distribution



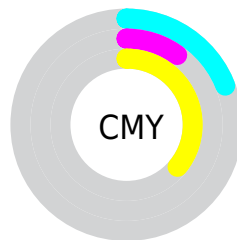
- Red (81%)
- Green (90%)
- Blue (64%)



- Red (64%)
- Yellow (90%)
- Blue (73%)



- Cyan (10%)
- Magenta (0%)
- Yellow (29%)
- Black (10%)




- Cyan (19%)
- Magenta (10%)
- Yellow (36%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 72.5034, 0.3395, 0.4060 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 72.5034, 0.3395, 0.4060 by changing the saturation by 10% instead.





 72.5034, 0.3395,  
0.4060


 72.5034, 0.3395,  
0.4060


469.2919, 0.3279,  
0.3693

 53.5700, 0.3419,  
0.4146


 122.7720, 0.3357,  
0.3931

 38.2580, 0.3447,  
0.4253


 154.8759, 0.3341,  
0.3881

 26.1830, 0.3480,  
0.4389


192.1388, 0.3328,  
0.3838

 16.9606, 0.3518,  
0.4569

234.9451, 0.3316,  
0.3802

 10.2064, 0.3560,  
0.4815

283.6792, 0.3305,  
0.3769

 5.5360, 0.3597,  
0.5165

338.7254, 0.3295,

 2.5651, 0.3796,

0.3741

0.6009

400.4682, 0.3287,  
0.3716

0.9091, 0.3085,  
0.6915

0.0000, 0.0000,  
0.0000

72.5034, 0.3395,  
0.4060

72.5034, 0.3395,  
0.4060

70.6437, 0.3478,  
0.4342

74.5767, 0.3305,  
0.3783

68.9790, 0.3550,  
0.4619

76.8623, 0.3212,  
0.3518

67.5027, 0.3605,  
0.4878

79.3713, 0.3119,  
0.3269

66.2042, 0.3639,  
0.5107

82.1104, 0.3030,  
0.3040

■ 65.0711, 0.3649,  
0.5294

■ 83.5165, 0.3082,  
0.3044

■ 64.0892, 0.3633,  
0.5432

■ 84.9837, 0.3135,  
0.3048

■ 63.2367, 0.3596,  
0.5523

■ 85.0850, 0.3138,  
0.3049

■ 63.1669, 0.3592,  
0.5530

# Harmonies

## Analogous

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



72.5034, 0.3765, 0.3992



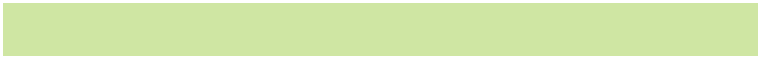
72.5034, 0.3395, 0.4060



72.5034, 0.2969, 0.3881

# Triad

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



72.5034, 0.3395, 0.4060



72.5034, 0.2347, 0.2768



72.5034, 0.3661, 0.3065

# Complementary

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



72.5034, 0.3395, 0.4060



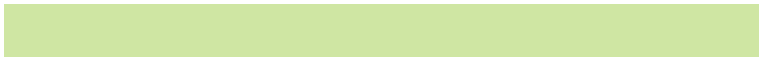
42.3576, 0.2794, 0.2484

# Split Complementary

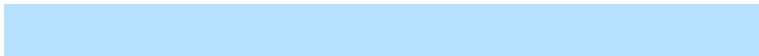
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



72.5034, 0.3245, 0.2788



72.5034, 0.3395, 0.4060



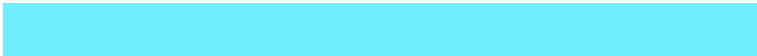
72.5034, 0.2501, 0.2612

# Square

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



72.5034, 0.3395, 0.4060



72.5034, 0.2382, 0.3088



72.5034, 0.2821, 0.2625



72.5034, 0.3933, 0.3404



# Rectangle

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



72.5034, 0.3395, 0.4060



72.5034, 0.2712, 0.3644



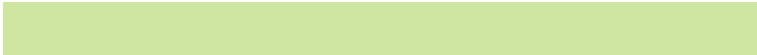
72.5034, 0.2821, 0.2625



72.5034, 0.3532, 0.2963

# Sweetspot

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



72.5066, 0.3395, 0.4060



97.1410, 0.3211, 0.3516



54.3112, 0.3701, 0.3547



20.6979, 0.3225, 0.3553



0.0000, 0.0000, 0.0000

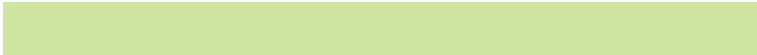


21.4041, 0.3127, 0.3290

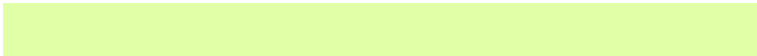


# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



72.5066, 0.3395, 0.4060



90.1543, 0.3447, 0.4231



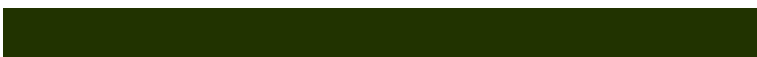
68.2676, 0.3162, 0.4119



16.5558, 0.3215, 0.3526



35.8246, 0.3601, 0.5523



2.6983, 0.3689, 0.5453



# Inverse Universe

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



42.3576, 0.2794, 0.2484



46.2021, 0.2708, 0.2294



46.9457, 0.3066, 0.2545



14.1272, 0.3034, 0.3051



4.2413, 0.1763, 0.0745

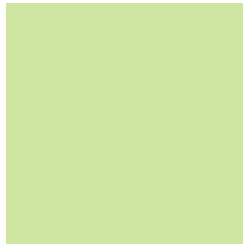


0.3634, 0.1924, 0.0834



# Previews

## White Background



This preview shows how the Yxy color 72.5034, 0.3395, 0.4060 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 72.5034, 0.3395, 0.4060 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 72.5034, 0.3395, 0.4060**

## **Background**



This preview shows how black text looks on a background with the Yxy color 72.5034, 0.3395, 0.4060.

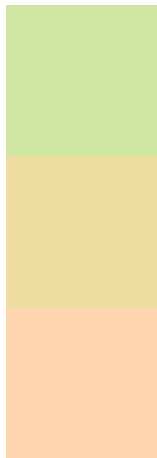


This preview shows how white text looks on a background with the Yxy color 72.5034, 0.3395, 0.4060.

# 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

72.5034, 0.3395, 0.4060

### Protanopia

72.3932, 0.3682, 0.3956

### Deuteranopia

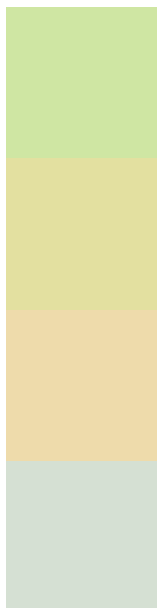
71.9831, 0.3718, 0.3673



## Tritanopia

72.1112, 0.2990, 0.3096

# Trichromacy



## Original Color

72.5034, 0.3395, 0.4060

## Protanomaly

72.1803, 0.3581, 0.3996

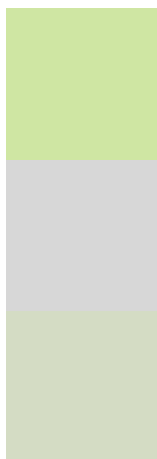
## Deuteranomaly

71.7805, 0.3604, 0.3807

## Tritanomaly

72.1606, 0.3134, 0.3435

# Monochromacy



## Original Color

72.5034, 0.3395, 0.4060

## Achromatopsia

67.9542, 0.3127, 0.3290

## Achromatomaly

69.1690, 0.3230, 0.3563

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 72.5034, 0.3395, 0.4060 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, 230, 163)` looks like.

```
.text, #text, p{  
    color:rgb(207, 230, 163)  
}
```

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, 230, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 230, 163) }
```

## Border

The CSS property to change the border of an element to Yxy 72.5034, 0.3395, 0.4060 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, 230, 163) }
```

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

```
.border{ border-color:rgb(207, 230, 163) }
```

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

Here you see how a box with a 4 pixel rgb(207, 230, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 230, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 230, 163);  
box-shadow:4px 4px 4px 4px rgb(207, 230,  
163) }
```



# Background

The CSS property to change the background color of an element to Yxy 72.5034, 0.3395, 0.4060 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 230, 163) }
```

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

```
.background{ background-color: rgb(207,  
230, 163) }
```

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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