

# Converting Colors

$Yxy(73.1673, 0.3903, 0.5131)$

Have a look what the booklet for  
Yxy(73.1673, 0.3903, 0.5131)  
contains.

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**Color**

**Yxy(73.1673, 0.3903, 0.5131)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDEC2E
RGB	205, 236, 46
RGB Percent	80%, 93%, 18%
CMY	0.1963, 0.0744, 0.8195
CMYK	0.13, 0.00, 0.81, 0.07
HSL	70°, 83%, 55%
HSV	70°, 81%, 93%
XYZ	55.6562, 73.1673, 13.7750
YIQ	205.0710, 42.5140, -65.6620

# Conversions

## Conversions Part 2

Format	Color
<a href="#">RYB</a>	<a href="#">46, 236, 77</a>
Decimal	<a href="#">13495342</a>
CIELab	<a href="#">88.53, -32.24, 79.82</a>
CIELCh	<a href="#">89, 86.084, 111.996</a>
Yxy	<a href="#">73.1673, 0.3903, 0.5131</a>
Android (android.graphics.Color)	<a href="#">4291685422 (0xFFCDEC2E)</a>
YUV	<a href="#">205.0710, -78.4220, -0.0623</a>
Hunter-Lab	<a href="#">85.5379, -33.5482, 50.3285</a>

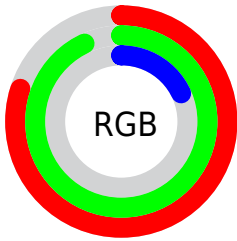
# Details

The Yxy color **73.1673, 0.3903, 0.5131** is a light color, and the websafe version is hex **CCFF33**.

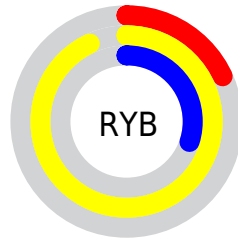
The color can be described as light washed yellow. A complement of this color would be **9.5937, 0.1760, 0.0880**, and the grayscale version is **61.5848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9058, 0.3944, 0.4640**, and **38.7535, 0.3864, 0.5314** is the 20% darker color. If you saturate the color by 10%, you get **72.4909, 0.3913, 0.5228**, and if you desaturate by 10%, it is **73.9661, 0.3866, 0.4988**.

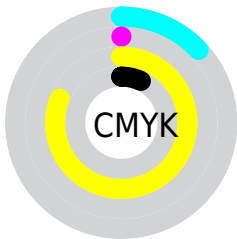
# Distribution



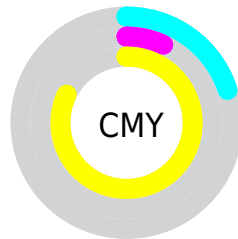
- Red (80%)
- Green (93%)
- Blue (18%)



- Red (18%)
- Yellow (93%)
- Blue (30%)



- Cyan (13%)
- Magenta (0%)
- Yellow (81%)
- Black (7%)




- Cyan (20%)
- Magenta (7%)
- Yellow (82%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.1673, 0.3903, 0.5131 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 73.1673, 0.3903, 0.5131 by changing the saturation by 10% instead.




 73.1673, 0.3903,  
0.5131

 73.1673, 0.3903,  
0.5131


471.5944, 0.3632,  
0.4298

 54.1128, 0.3934,  
0.5300


 123.7147, 0.3833,  
0.4856

 38.6918, 0.3954,  
0.5493

 155.9763, 0.3798,  
0.4744


 26.5201, 0.3952,  
0.5710


 193.4091, 0.3765,  
0.4646

 17.2131, 0.3927,  
0.5979


 236.3975, 0.3734,  
0.4560

 10.3866, 0.3791,  
0.6209

 285.3258, 0.3706,  
0.4483

 5.6560, 0.3538,  
0.6462

340.5785, 0.3679,


 2.6371, 0.3136,


0.4414


0.6864


402.5399, 0.3654,  
0.4353


 0.9453, 0.1044,  
0.8956


 0.0000, 0.0000,  
0.0000


 73.1673, 0.3903,  
0.5131


 73.1673, 0.3903,  
0.5131


 72.4909, 0.3913,  
0.5228


 73.9661, 0.3866,  
0.4988

 71.9291, 0.3903,  
0.5283


 74.8919, 0.3804,  
0.4802


 75.9606, 0.3719,  
0.4581

 77.1830, 0.3617,  
0.4335

 78.5688, 0.3502,  
0.4074

 80.1268, 0.3380,  
0.3810

 81.8653, 0.3256,  
0.3551

 83.7918, 0.3133,  
0.3302

 85.6904, 0.3036,  
0.3101

# Harmonies

## Analogous

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



73.1673, 0.4701, 0.4571



73.1673, 0.3903, 0.5131



73.1673, 0.2964, 0.5088

# Triad

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



73.1673, 0.3903, 0.5131



73.1673, 0.1454, 0.2226



73.1673, 0.4078, 0.2551

# Complementary

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



73.1673, 0.3903, 0.5131



9.5937, 0.1760, 0.0880

# 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.



73.1673, 0.3011, 0.2080



73.1673, 0.3903, 0.5131



73.1673, 0.1637, 0.1867

# Square

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



73.1673, 0.3903, 0.5131



73.1673, 0.1598, 0.3018



73.1673, 0.2150, 0.1838



73.1673, 0.4917, 0.3171



# Rectangle

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



73.1673, 0.3903, 0.5131



73.1673, 0.2373, 0.4556



73.1673, 0.2150, 0.1838



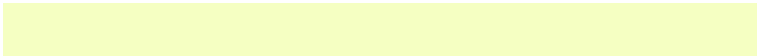
73.1673, 0.3722, 0.2373

# Sweetspot

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



73.1706, 0.3903, 0.5131



94.8175, 0.3424, 0.3905



23.0002, 0.5726, 0.3505



20.1533, 0.3468, 0.4000



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.



73.1706, 0.3903, 0.5131



85.9173, 0.3906, 0.5269



63.6769, 0.3272, 0.5594



17.4951, 0.3243, 0.3525



39.6905, 0.3908, 0.5279



3.1499, 0.3950, 0.5246



# Inverse Universe

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



9.5937, 0.1760, 0.0880



8.0166, 0.1580, 0.0654



16.5049, 0.2508, 0.1270



14.6672, 0.3005, 0.3048



3.6083, 0.1571, 0.0639



0.3186, 0.1685, 0.0702



# Previews

## White Background



This preview shows how the Yxy color 73.1673, 0.3903, 0.5131 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

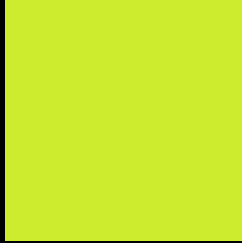
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 73.1673, 0.3903, 0.5131 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 73.1673, 0.3903, 0.5131**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.1673, 0.3903, 0.5131.



This preview shows how white text looks on a background with the Yxy color 73.1673, 0.3903, 0.5131.

# 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

73.1673, 0.3903, 0.5131

### Protanopia

72.7337, 0.4355, 0.4802

### Deuteranopia

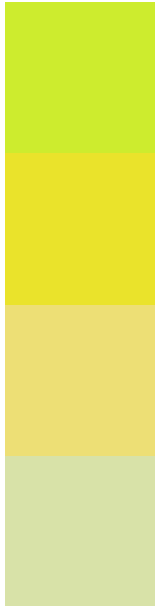
72.8404, 0.3840, 0.3886



## Tritanopia

72.9888, 0.3038, 0.3109

# Trichromacy



**Original Color**

73.1673, 0.3903, 0.5131

**Protanomaly**

72.6050, 0.4193, 0.4923

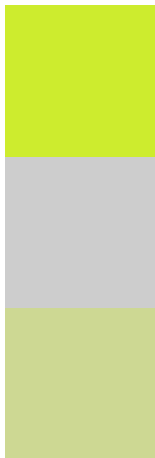
**Deuteranomaly**

72.0642, 0.3936, 0.4396

**Tritanomaly**

71.8188, 0.3438, 0.3946

# Monochromacy



**Original Color**

73.1673, 0.3903, 0.5131

**Achromatopsia**

61.0496, 0.3127, 0.3290

**Achromatomaly**

64.1975, 0.3519, 0.4108

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.1673, 0.3903, 0.5131 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(205, 236, 46)` looks like.

```
.text, #text, p{  
    color:rgb(205, 236, 46)  
}
```

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(205, 236, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 236, 46) }
```

## Border

The CSS property to change the border of an element to Yxy 73.1673, 0.3903, 0.5131 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(205, 236, 46) }
```

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

```
.border{ border-color:rgb(205, 236, 46) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 236, 46)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 236, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 236, 46);  
box-shadow:4px 4px 4px 4px rgb(205, 236,  
46) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.1673, 0.3903, 0.5131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 236, 46) }
```

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

```
.background{ background-color: rgb(205,  
236, 46) }
```

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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