

# Converting Colors

$Yxy(73.2868, 0.3931, 0.5181)$

Have a look what the booklet for  
Yxy(73.2868, 0.3931, 0.5181)  
contains.

<b>Yxy(73.0743, 0.3930, 0.5180)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

**Color**

**Yxy(73.0743, 0.3930, 0.5180)**

# Conversions

## Conversions Part 1

Format	Color
Hex	CDEC20
RGB	205, 236, 32
RGB Percent	80%, 93%, 13%
CMY	0.1960, 0.0745, 0.8741
CMYK	0.13, 0.00, 0.86, 0.07
HSL	69°, 84%, 53%
HSV	69°, 86%, 93%
XYZ	55.4405, 73.0743, 12.5552
YIQ	203.4750, 47.0080, -70.0160

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	32, 236, 63
Decimal	13495328
CIE <sub>Lab</sub>	88.48, -32.59, 82.80
CIE <sub>LCh</sub>	88, 88.981, 111.487
Yxy	73.0743, 0.3930, 0.5180
Android (android.graphics.Color)	4291685408 (0xFFCDEC20)
YUV	203.4750, -84.5372, 1.3374
Hunter-Lab	85.4835, -33.8295, 51.1303

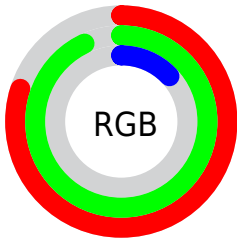
# Details

The Yxy color **73.0743, 0.3930, 0.5180** 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 **8.1531, 0.1673, 0.0770**, and the grayscale version is **60.5680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7393, 0.3978, 0.4696**, and **38.7535, 0.3864, 0.5314** is the 20% darker color. If you saturate the color by 10%, you get **72.4874, 0.3928, 0.5248**, and if you desaturate by 10%, it is **73.7711, 0.3907, 0.5067**.

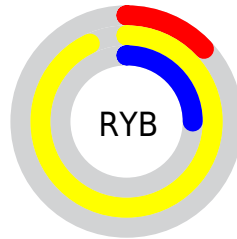
# Distribution



Red (80%)

Green (93%)

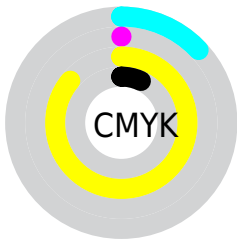
Blue (13%)



Red (13%)

Yellow (93%)

Blue (25%)

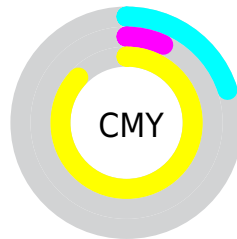


Cyan (13%)

Magenta (0%)

Yellow (86%)

Black (7%)



Cyan (20%)

Magenta (7%)


Yellow (87%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 73.0743, 0.3930, 0.5180 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 73.0743, 0.3930, 0.5180 by changing the saturation by 10% instead.




 73.0743, 0.3930,  
0.5180

 73.0743, 0.3930,  
0.5180


471.2723, 0.3655,  
0.4331


 54.0367, 0.3959,  
0.5349


 123.5827, 0.3861,  
0.4902


 38.6310, 0.3975,  
0.5540


 155.8223, 0.3826,  
0.4789


 26.4728, 0.3966,  
0.5753


 193.2313, 0.3793,  
0.4688

 17.1777, 0.3946,  
0.6035

 236.1942, 0.3761,  
0.4600

 10.3613, 0.3778,  
0.6222

 285.0954, 0.3731,  
0.4521

 5.6391, 0.3521,  
0.6479

 340.3192, 0.3704,

 2.6269, 0.3114,

0.4451

0.6886

402.2500, 0.3678,  
0.4388

■ 0.9402, 0.0935,  
0.9065

■ 0.0000, 0.0000,  
0.0000

■ 73.0743, 0.3930,  
0.5180

■ 73.0743, 0.3930,  
0.5180

■ 72.4874, 0.3928,  
0.5248

■ 73.7711, 0.3907,  
0.5067

■ 72.2902, 0.3924,  
0.5267

■ 74.5848, 0.3858,  
0.4908

■ 75.5324, 0.3784,  
0.4709

■ 76.6255, 0.3689,  
0.4478

■ 77.8746, 0.3578,  
0.4227

■ 79.2888, 0.3457,  
0.3965

■ 80.8767, 0.3332,  
0.3703

■ 82.6464, 0.3206,  
0.3447

■ 84.6050, 0.3084,  
0.3204

# Harmonies

## Analogous

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



73.0743, 0.4749, 0.4583



73.0743, 0.3930, 0.5180



73.0743, 0.2967, 0.5166

# Triad

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



73.0743, 0.3930, 0.5180



73.0743, 0.1411, 0.2201



73.0743, 0.4091, 0.2519

# Complementary

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



73.0743, 0.3930, 0.5180



8.1531, 0.1673, 0.0770

# 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.



73.0743, 0.2987, 0.2042



73.0743, 0.3930, 0.5180



73.0743, 0.1592, 0.1831

# Square

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



73.0743, 0.3930, 0.5180



73.0743, 0.1561, 0.3021



73.0743, 0.2109, 0.1799



73.0743, 0.4966, 0.3149



# Rectangle

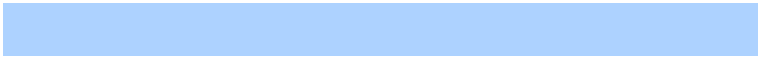
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.0743, 0.3930, 0.5180



73.0743, 0.2359, 0.4624



73.0743, 0.2109, 0.1799



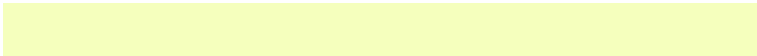
73.0743, 0.3720, 0.2338

# Sweetspot

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



73.0776, 0.3930, 0.5180



94.5812, 0.3454, 0.3957



21.4571, 0.5938, 0.3480



20.1134, 0.3497, 0.4049



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.



73.0776, 0.3930, 0.5180



86.1607, 0.3922, 0.5268



63.0050, 0.3248, 0.5699



17.5044, 0.3244, 0.3524



39.8945, 0.3928, 0.5263



3.1640, 0.3967, 0.5232



# Inverse Universe

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



8.1531, 0.1673, 0.0770



7.6460, 0.1552, 0.0629



15.0542, 0.2453, 0.1187



14.6587, 0.3003, 0.3048



3.5781, 0.1563, 0.0635



0.3146, 0.1672, 0.0695



# Previews

## White Background



This preview shows how the Yxy color 73.0743, 0.3930, 0.5180 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 73.0743, 0.3930, 0.5180 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 73.0743, 0.3930, 0.5180**

## **Background**



This preview shows how black text looks on a background with the Yxy color 73.0743, 0.3930, 0.5180.



This preview shows how white text looks on a background with the Yxy color 73.0743, 0.3930, 0.5180.

# 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**

73.0743, 0.3930, 0.5180

**Protanopia**

72.6504, 0.4382, 0.4841

**Deuteranopia**

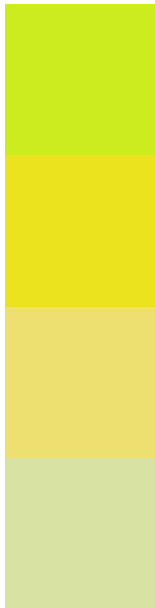
72.2952, 0.3851, 0.3887



## Tritanopia

72.9888, 0.3038, 0.3109

# Trichromacy



## Original Color

73.0743, 0.3930, 0.5180

## Protanomaly

72.5193, 0.4219, 0.4965

## Deuteranomaly

71.9497, 0.3965, 0.4441

## Tritanomaly

71.6003, 0.3478, 0.4014

# Monochromacy



## Original Color

73.0743, 0.3930, 0.5180

## Achromatopsia

59.7202, 0.3127, 0.3290

## Achromatomaly

63.3613, 0.3554, 0.4170

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 73.0743, 0.3930, 0.5180 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, 32)` looks like.

```
.text, #text, p{  
    color:rgb(205, 236, 32)  
}
```

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, 32) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 236, 32) }
```

## Border

The CSS property to change the border of an element to Yxy 73.0743, 0.3930, 0.5180 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, 32) }
```

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

```
.border{ border-color:rgb(205, 236, 32) }
```

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, 32)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 236, 32); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 236, 32);  
box-shadow:4px 4px 4px 4px rgb(205, 236,  
32) }
```



# Background

The CSS property to change the background color of an element to Yxy 73.0743, 0.3930, 0.5180 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, 32) }
```

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

```
.background{ background-color: rgb(205,  
236, 32) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor