

Converting Colors

$Yxy(73.2786, 0.3934, 0.5259)$

Have a look what the booklet for
Yxy(73.2786, 0.3934, 0.5259)
contains.

Yxy(73.1249, 0.3931, 0.5261)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(73.1249, 0.3931, 0.5261)

Conversions

Conversions Part 1

Format	Color
Hex	CAED00
RGB	202, 237, 0
RGB Percent	79%, 93%, 0%
CMY	0.2079, 0.0706, 1.0000
CMYK	0.15, 0.00, 1.00, 0.07
HSL	69°, 100%, 46%
HSV	69°, 100%, 93%
XYZ	54.6387, 73.1249, 11.2307
YIQ	199.5170, 55.2170, -81.1270

Conversions

Conversions Part 2

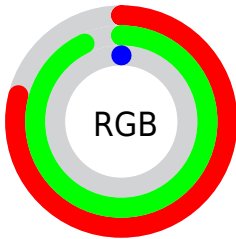
Format	Color
RYB	0, 237, 35
Decimal	13298944
CIELab	88.51, -34.72, 86.39
CIELCh	89, 93.106, 111.895
Yxy	73.1249, 0.3931, 0.5261
Android (android.graphics.Color)	4291489024 (0xFFCAED00)
YUV	199.5170, -98.3619, 2.1776
Hunter-Lab	85.5131, -35.5952, 52.0724

Details

The Yxy color **73.1249, 0.3931, 0.5261** is a dark color, and the websafe version is hex **CCFF33**. The color can be described as middle washed yellow. A complement of this color would be **6.4726, 0.1552, 0.0628**, and the grayscale version is **58.0382, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5353, 0.4020, 0.4767**, and **38.8874, 0.3827, 0.5343** is the 20% darker color. If you saturate the color by 10%, you get **73.1285, 0.3931, 0.5261**, and if you desaturate by 10%, it is **73.6872, 0.3938, 0.5205**.

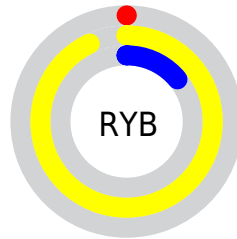
Distribution



Red (79%)

Green (93%)

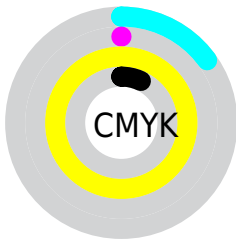
Blue (0%)



Red (0%)

Yellow (93%)

Blue (14%)

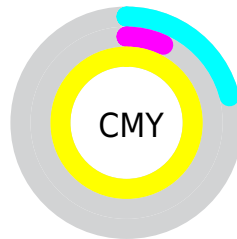


Cyan (15%)

Magenta (0%)

Yellow (100%)

Black (7%)



Cyan (21%)


Magenta (7%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 73.1249, 0.3931, 0.5261 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 73.1249, 0.3931, 0.5261 by changing the saturation by 10% instead.


 73.1249, 0.3931,
0.5261


 73.1249, 0.3931,
0.5261


471.4476, 0.3668,
0.4381

 54.0781, 0.3953,
0.5433


 123.6545, 0.3869,
0.4975

 38.6641, 0.3960,
0.5627


 155.9061, 0.3836,
0.4857


 26.4985, 0.3938,
0.5839


 193.3281, 0.3804,
0.4753

 17.1970, 0.3891,
0.6109

 236.3048, 0.3773,
0.4661

 10.3750, 0.3704,
0.6296

 285.2208, 0.3744,
0.4579

 5.6483, 0.3430,
0.6570


 340.4603, 0.3717,

 2.6324, 0.2998,


0.4506


0.7002


402.4078, 0.3691,
0.4440

 0.9430, 0.0480,
0.9520


 0.0000, 0.0000,
0.0000


 73.1249, 0.3931,
0.5261


 73.1249, 0.3931,
0.5261

 73.1285, 0.3931,
0.5261

 73.6872, 0.3938,
0.5205

 74.3362, 0.3924,
0.5109

 75.1004, 0.3884,
0.4967

 75.9945, 0.3817,
0.4782

■ 77.0310, 0.3729,
0.4563

■ 78.2207, 0.3622,
0.4318

■ 79.5733, 0.3504,
0.4059

■ 81.0977, 0.3379,
0.3797

■ 82.8022, 0.3252,
0.3538

Harmonies

Analogous

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



73.1249, 0.4790, 0.4623



73.1249, 0.3931, 0.5261



73.1249, 0.2934, 0.5257

Triad

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



73.1249, 0.3931, 0.5261



73.1249, 0.1354, 0.2145



73.1249, 0.4147, 0.2496

Complementary

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



73.1249, 0.3931, 0.5261



6.4726, 0.1552, 0.0628

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.



73.1249, 0.2993, 0.2003



73.1249, 0.3931, 0.5261



73.1249, 0.1545, 0.1776

Square

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



73.1249, 0.3931, 0.5261



73.1249, 0.1498, 0.2986



73.1249, 0.2079, 0.1750



73.1249, 0.5057, 0.3143

Rectangle

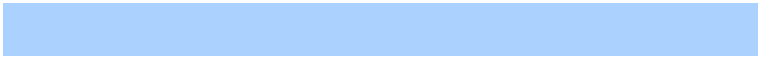
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



73.1249, 0.3931, 0.5261



73.1249, 0.2307, 0.4679



73.1249, 0.2079, 0.1750



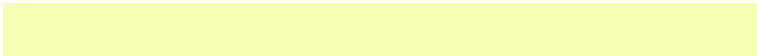
73.1249, 0.3760, 0.2309

Sweetspot

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



73.1285, 0.3931, 0.5261



93.9333, 0.3505, 0.4062



19.0177, 0.6299, 0.3381



19.9559, 0.3556, 0.4173



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.



73.1285, 0.3931, 0.5261



86.3211, 0.3930, 0.5262



62.5950, 0.3195, 0.5846



17.5077, 0.3245, 0.3524



39.9675, 0.3935, 0.5257



3.1691, 0.3973, 0.5227

Inverse Universe

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



6.4726, 0.1552, 0.0628



7.6260, 0.1550, 0.0627



12.6090, 0.2293, 0.1037



14.6557, 0.3003, 0.3048



3.5679, 0.1561, 0.0633



0.3132, 0.1668, 0.0692

Previews

White Background



This preview shows how the Yxy color 73.1249, 0.3931, 0.5261 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 73.1249, 0.3931, 0.5261 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 73.1249, 0.3931, 0.5261

Background



This preview shows how black text looks on a background with the Yxy color 73.1249, 0.3931, 0.5261.



This preview shows how white text looks on a background with the Yxy color 73.1249, 0.3931, 0.5261.

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

73.1249, 0.3931, 0.5261

Protanopia

72.5665, 0.4409, 0.4881

Deuteranopia

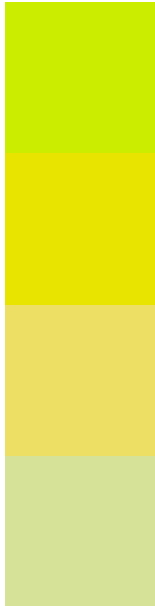
72.2952, 0.3851, 0.3887



Tritanopia

72.7316, 0.3018, 0.3098

Trichromacy



Original Color

73.1249, 0.3931, 0.5261

Protanomaly

72.2618, 0.4239, 0.5016

Deuteranomaly

71.5283, 0.4022, 0.4546

Tritanomaly

70.9232, 0.3534, 0.4142

Monochromacy



Original Color

73.1249, 0.3931, 0.5261

Achromatopsia

57.7580, 0.3127, 0.3290

Achromatomaly

61.5383, 0.3629, 0.4319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.1249, 0.3931, 0.5261 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(202, 237, 0)` looks like.

```
.text, #text, p{  
    color:rgb(202, 237, 0)  
}
```

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(202, 237, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 237, 0) }
```

Border

The CSS property to change the border of an element to Yxy 73.1249, 0.3931, 0.5261 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(202, 237, 0) }
```

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

```
.border{ border-color:rgb(202, 237, 0) }
```

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

Here you see how a box with a 4 pixel rgb(202, 237, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 237, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 237, 0);  
box-shadow:4px 4px 4px 4px rgb(202, 237,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 73.1249, 0.3931, 0.5261 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 237, 0) }
```

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

```
.background{ background-color: rgb(202,  
237, 0) }
```

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