

Converting Colors

$Yxy(71.9735, 0.3959, 0.5238)$

Have a look what the booklet for
Yxy(71.9735, 0.3959, 0.5238)
contains.

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Color

Yxy(72.2540, 0.3959, 0.5238)

Conversions

Conversions Part 1

Format	Color
Hex	CCEB00
RGB	204, 235, 0
RGB Percent	80%, 92%, 0%
CMY	0.2000, 0.0784, 0.9987
CMYK	0.13, 0.00, 1.00, 0.08
HSL	68°, 100%, 46%
HSV	68°, 100%, 92%
XYZ	54.6112, 72.2540, 11.0767
YIQ	198.9410, 56.9590, -79.6570

Conversions

Conversions Part 2

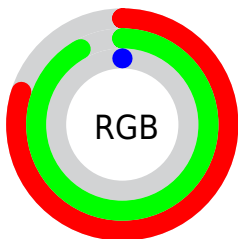
Format	Color
RYB	0, 235, 31
Decimal	13429504
CIELab	88.09, -32.99, 86.10
CIELCh	88, 92.208, 110.967
Yxy	72.2540, 0.3959, 0.5238
Android (android.graphics.Color)	4291619584 (0xFFCCEB00)
YUV	198.9410, -98.0779, 4.4367
Hunter-Lab	85.0024, -34.0737, 51.7755

Details

The Yxy color **72.2540, 0.3959, 0.5238** 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 **6.3023, 0.1544, 0.0625**, and the grayscale version is **57.6862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5353, 0.4020, 0.4767**, and **38.2599, 0.3862, 0.5316** is the 20% darker color. If you saturate the color by 10%, you get **72.2503, 0.3959, 0.5239**, and if you desaturate by 10%, it is **72.7650, 0.3963, 0.5184**.

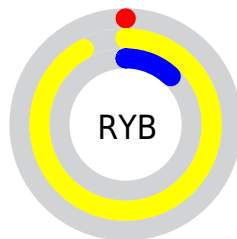
Distribution



Red (80%)

Green (92%)

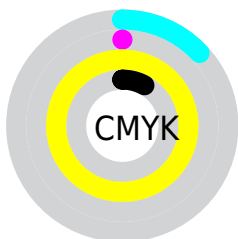
Blue (0%)



Red (0%)

Yellow (92%)

Blue (12%)

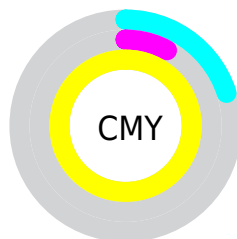


Cyan (13%)

Magenta (0%)

Yellow (100%)

Black (8%)



Cyan (20%)


Magenta (8%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.2540, 0.3959, 0.5238 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 72.2540, 0.3959, 0.5238 by changing the saturation by 10% instead.


 72.2540, 0.3959,
0.5238


 72.2540, 0.3959,
0.5238


468.4252, 0.3681,
0.4370


 53.3662, 0.3984,
0.5407

 122.4176, 0.3892,
0.4957


 38.0952, 0.3995,
0.5597


 154.4621, 0.3857,
0.4840

 26.0566, 0.3977,
0.5804

 191.6611, 0.3823,
0.4738

 16.8660, 0.3936,
0.6064

 234.3988, 0.3791,
0.4647

 10.1390, 0.3755,
0.6245

 283.0597, 0.3760,
0.4566

 5.4912, 0.3491,
0.6509


 338.0281, 0.3732,


 2.5382, 0.3071,


0.4494


0.6929


399.6885, 0.3706,
0.4428


 0.8957, 0.0487,
0.9513


 0.0000, 0.0000,
0.0000


 72.2540, 0.3959,
0.5238


 72.2540, 0.3959,
0.5238

 72.2503, 0.3959,
0.5239

 72.7650, 0.3963,
0.5184

 73.3597, 0.3946,
0.5090

 74.0653, 0.3902,
0.4951

 74.8964, 0.3833,
0.4769

■ 75.8650, 0.3741,
0.4552

■ 76.9817, 0.3631,
0.4310

■ 78.2559, 0.3510,
0.4053

■ 79.6964, 0.3382,
0.3792

■ 81.3112, 0.3253,
0.3534

Harmonies

Analogous

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



72.2540, 0.4805, 0.4596



72.2540, 0.3959, 0.5238



72.2540, 0.2967, 0.5260

Triad

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



72.2540, 0.3959, 0.5238



72.2540, 0.1361, 0.2170



72.2540, 0.4107, 0.2482

Complementary

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



72.2540, 0.3959, 0.5238



6.3023, 0.1544, 0.0625

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.



72.2540, 0.2960, 0.1997



72.2540, 0.3959, 0.5238



72.2540, 0.1541, 0.1789

Square

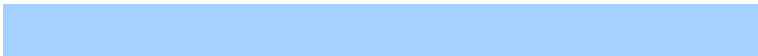
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



72.2540, 0.3959, 0.5238



72.2540, 0.1516, 0.3023



72.2540, 0.2062, 0.1753



72.2540, 0.5027, 0.3124

Rectangle

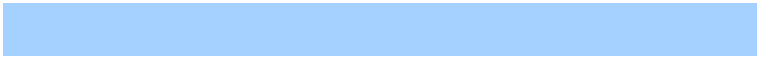
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72.2540, 0.3959, 0.5238



72.2540, 0.2339, 0.4705



72.2540, 0.2062, 0.1753



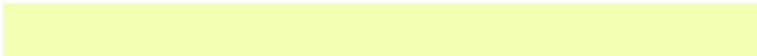
72.2540, 0.3720, 0.2298

Sweetspot

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



72.2573, 0.3959, 0.5238



94.1476, 0.3513, 0.4060



18.4807, 0.6315, 0.3366



20.0078, 0.3566, 0.4170



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.



72.2573, 0.3959, 0.5238



86.9404, 0.3958, 0.5239



61.6085, 0.3213, 0.5830



17.5202, 0.3248, 0.3524



40.2491, 0.3963, 0.5236



3.1886, 0.3997, 0.5209

Inverse Universe

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



6.3023, 0.1544, 0.0625



7.5549, 0.1541, 0.0623



12.0298, 0.2257, 0.1017



14.6443, 0.3000, 0.3048



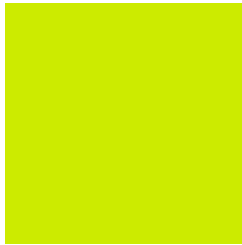
3.5315, 0.1551, 0.0628



0.3078, 0.1651, 0.0683

Previews

White Background



This preview shows how the Yxy color 72.2540, 0.3959, 0.5238 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 72.2540, 0.3959, 0.5238 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 72.2540, 0.3959, 0.5238

Background



This preview shows how black text looks on a background with the Yxy color 72.2540, 0.3959, 0.5238.

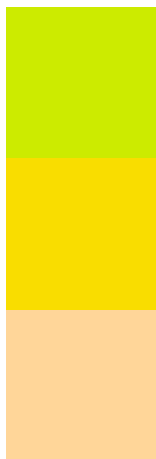


This preview shows how white text looks on a background with the Yxy color 72.2540, 0.3959, 0.5238.

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

72.2540, 0.3959, 0.5238

Protanopia

71.8526, 0.4410, 0.4881

Deuteranopia

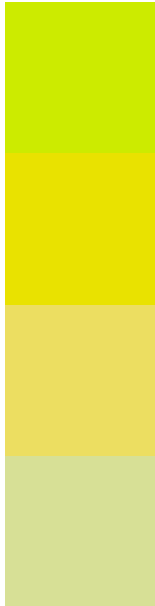
71.6530, 0.3884, 0.3917



Tritanopia

71.7285, 0.3037, 0.3098

Trichromacy



Original Color

72.2540, 0.3959, 0.5238

Protanomaly

71.7164, 0.4247, 0.5010

Deuteranomaly

70.9385, 0.4043, 0.4562

Tritanomaly

69.9604, 0.3554, 0.4132

Monochromacy



Original Color

72.2540, 0.3959, 0.5238

Achromatopsia

57.1125, 0.3127, 0.3290

Achromatomaly

61.0368, 0.3633, 0.4309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.2540, 0.3959, 0.5238 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(204, 235, 0)` looks like.

```
.text, #text, p{  
    color:rgb(204, 235, 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(204, 235, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(204, 235, 0) }
```

Border

The CSS property to change the border of an element to Yxy 72.2540, 0.3959, 0.5238 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(204, 235, 0) }
```

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

```
.border{ border-color:rgb(204, 235, 0) }
```

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

Here you see how a box with a 4 pixel rgb(204, 235, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(204, 235, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(204, 235, 0);  
box-shadow:4px 4px 4px 4px rgb(204, 235,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 72.2540, 0.3959, 0.5238 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(204, 235, 0) }
```

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

```
.background{ background-color: rgb(204,  
235, 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](#).

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