

Converting Colors

$Y_{xy}(70.2817, 0.3963, 0.5236)$

Have a look what the booklet for
Yxy(70.2817, 0.3963, 0.5236)
contains.

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Color

Yxy(70.2698, 0.3964, 0.5235)

Conversions

Conversions Part 1

Format	Color
Hex	CAE800
RGB	202, 232, 0
RGB Percent	79%, 91%, 0%
CMY	0.2079, 0.0902, 1.0000
CMYK	0.13, 0.00, 1.00, 0.09
HSL	68°, 100%, 45%
HSV	68°, 100%, 91%
XYZ	53.2091, 70.2698, 10.7519
YIQ	196.5820, 56.5920, -78.5120

Conversions

Conversions Part 2

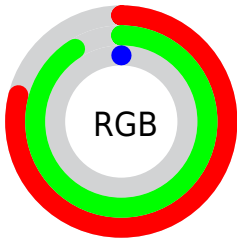
Format	Color
RYB	0, 232, 30
Decimal	13297664
CIELab	87.13, -32.44, 85.37
CIELCh	87, 91.321, 110.806
Yxy	70.2698, 0.3964, 0.5235
Android (android.graphics.Color)	4291487744 (0xFFCAE800)
YUV	196.5820, -96.9149, 4.7516
Hunter-Lab	83.8271, -33.3949, 51.0743

Details

The Yxy color **70.2698, 0.3964, 0.5235** 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 **6.1033, 0.1542, 0.0623**, and the grayscale version is **56.1400, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5182, 0.4024, 0.4773**, and **36.8903, 0.3867, 0.5312** is the 20% darker color. If you saturate the color by 10%, you get **70.2735, 0.3964, 0.5235**, and if you desaturate by 10%, it is **70.7591, 0.3968, 0.5181**.

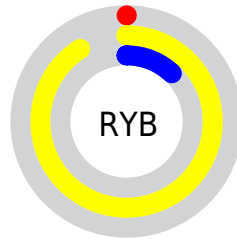
Distribution



Red (79%)

Green (91%)

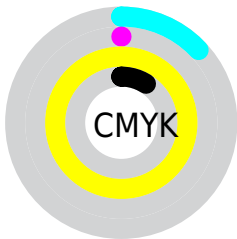
Blue (0%)



Red (0%)

Yellow (91%)

Blue (12%)

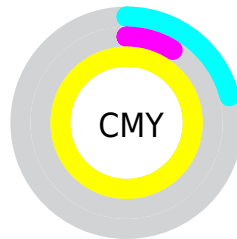


Cyan (13%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (21%)


Magenta (9%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.2698, 0.3964, 0.5235 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 70.2698, 0.3964, 0.5235 by changing the saturation by 10% instead.


 70.2698, 0.3964,
0.5235


 70.2698, 0.3964,
0.5235


461.4968, 0.3682,
0.4364

 51.7465, 0.3990,
0.5405


 119.5934, 0.3895,
0.4952


 36.8031, 0.4001,
0.5596

 151.1626, 0.3860,
0.4836


 25.0551, 0.3983,
0.5804


 187.8491, 0.3825,
0.4733

 16.1181, 0.3937,
0.6063

 230.0375, 0.3793,
0.4642

 9.6077, 0.3754,
0.6246

 278.1120, 0.3762,
0.4560

 5.1397, 0.3484,
0.6516


 332.4571, 0.3733,

 2.3294, 0.3049,


0.4488


0.6951


393.4573, 0.3707,
0.4423


 0.7892, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 70.2698, 0.3964,
0.5235


 70.2698, 0.3964,
0.5235

 70.2735, 0.3964,
0.5235

 70.7591, 0.3968,
0.5181

 71.3280, 0.3950,
0.5089

 72.0042, 0.3906,
0.4950

 72.8015, 0.3836,
0.4770

■ 73.7317, 0.3744,
0.4554

■ 74.8052, 0.3635,
0.4312

■ 76.0310, 0.3513,
0.4056

■ 77.4177, 0.3385,
0.3795

■ 78.9729, 0.3255,
0.3537

Harmonies

Analogous

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



70.2698, 0.4809, 0.4592



70.2698, 0.3964, 0.5235



70.2698, 0.2973, 0.5262

Triad

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



70.2698, 0.3964, 0.5235



70.2698, 0.1361, 0.2173



70.2698, 0.4101, 0.2479

Complementary

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



70.2698, 0.3964, 0.5235



6.1033, 0.1542, 0.0623

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.



70.2698, 0.2955, 0.1996



70.2698, 0.3964, 0.5235



70.2698, 0.1539, 0.1790

Square

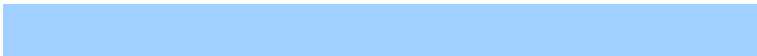
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.2698, 0.3964, 0.5235



70.2698, 0.1518, 0.3029



70.2698, 0.2058, 0.1753



70.2698, 0.5023, 0.3120

Rectangle

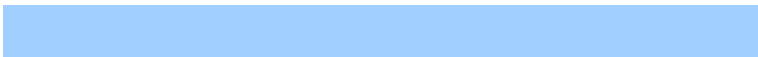
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.2698, 0.3964, 0.5235



70.2698, 0.2344, 0.4711



70.2698, 0.2058, 0.1753



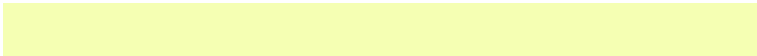
70.2698, 0.3714, 0.2295

Sweetspot

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



70.2735, 0.3964, 0.5235



94.1847, 0.3515, 0.4060



17.9447, 0.6317, 0.3366



20.0168, 0.3567, 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.



70.2735, 0.3964, 0.5235



87.0488, 0.3963, 0.5236



59.8403, 0.3213, 0.5831



16.7176, 0.3248, 0.3524



39.0480, 0.3968, 0.5232



2.9120, 0.4003, 0.5204

Inverse Universe

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



6.1033, 0.1542, 0.0623



7.5434, 0.1540, 0.0622



11.6730, 0.2256, 0.1017



13.9761, 0.3000, 0.3048



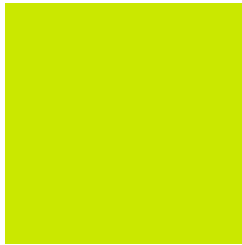
3.4179, 0.1550, 0.0628



0.2816, 0.1654, 0.0685

Previews

White Background



This preview shows how the Yxy color 70.2698, 0.3964, 0.5235 looks on a white background.

Color Contrast Check

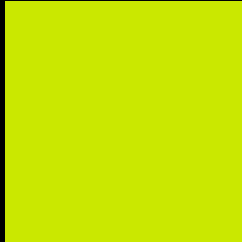
Large Text (above 18pt) WCAG AA × Fail

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 70.2698, 0.3964, 0.5235 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 70.2698, 0.3964, 0.5235

Background



This preview shows how black text looks on a background with the Yxy color 70.2698, 0.3964, 0.5235.

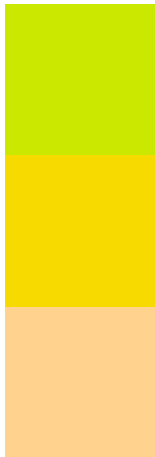


This preview shows how white text looks on a background with the Yxy color 70.2698, 0.3964, 0.5235.

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

70.2698, 0.3964, 0.5235

Protanopia

69.7356, 0.4413, 0.4878

Deuteranopia

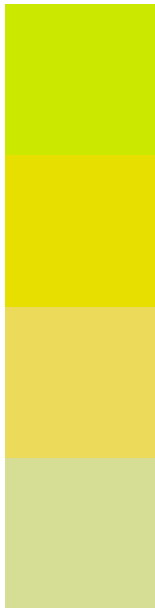
69.8015, 0.3975, 0.3997



Tritanopia

70.2106, 0.3043, 0.3107

Trichromacy



Original Color

70.2698, 0.3964, 0.5235

Protanomaly

69.5983, 0.4248, 0.5009

Deuteranomaly

69.2341, 0.4097, 0.4592

Tritanomaly

68.5268, 0.3558, 0.4139

Monochromacy



Original Color

70.2698, 0.3964, 0.5235

Achromatopsia

55.8340, 0.3127, 0.3290

Achromatomaly

59.7160, 0.3637, 0.4318

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.2698, 0.3964, 0.5235 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, 232, 0)` looks like.

```
.text, #text, p{  
    color:rgb(202, 232, 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, 232, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 232, 0) }
```

Border

The CSS property to change the border of an element to Yxy 70.2698, 0.3964, 0.5235 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, 232, 0) }
```

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

```
.border{ border-color:rgb(202, 232, 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, 232, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 232, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 232, 0);  
box-shadow:4px 4px 4px 4px rgb(202, 232,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 70.2698, 0.3964, 0.5235 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 232, 0) }
```

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

```
.background{ background-color: rgb(202,  
232, 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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