

Converting Colors

$Y_{xy}(70.7536, 0.3987, 0.5215)$

Have a look what the booklet for
Yxy(70.7536, 0.3987, 0.5215)
contains.

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Color

Yxy(70.6946, 0.3986, 0.5215)

Conversions

Conversions Part 1

Format	Color
Hex	CDE801
RGB	205, 232, 1
RGB Percent	80%, 91%, 0%
CMY	0.1962, 0.0901, 0.9953
CMYK	0.12, 0.00, 0.99, 0.09
HSL	67°, 99%, 46%
HSV	67°, 99%, 91%
XYZ	54.0343, 70.6946, 10.8313
YIQ	197.5930, 58.0590, -77.5650

Conversions

Conversions Part 2

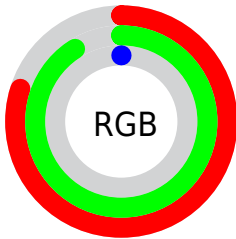
Format	Color
RYB	1, 232, 28
Decimal	13494273
CIELab	87.34, -31.21, 85.50
CIELCh	87, 91.016, 110.056
Yxy	70.6946, 0.3986, 0.5215
Android (android.graphics.Color)	4291684353 (0xFFCDE801)
YUV	197.5930, -96.9203, 6.4959
Hunter-Lab	84.0801, -32.4267, 51.2183

Details

The Yxy color **70.6946, 0.3986, 0.5215** 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 **6.1035, 0.1539, 0.0623**, and the grayscale version is **56.7987, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5353, 0.4020, 0.4767**, and **37.1617, 0.3896, 0.5288** is the 20% darker color. If you saturate the color by 10%, you get **70.6751, 0.3986, 0.5217**, and if you desaturate by 10%, it is **71.1527, 0.3987, 0.5162**.

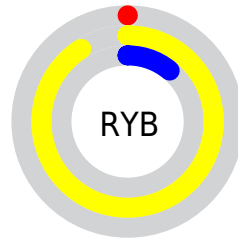
Distribution



Red (80%)

Green (91%)

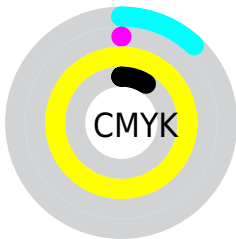
Blue (0%)



Red (0%)

Yellow (91%)

Blue (11%)

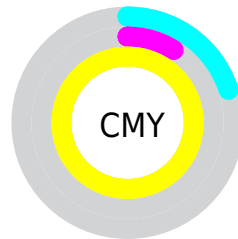


Cyan (12%)

Magenta (0%)

Yellow (99%)

Black (9%)



Cyan (20%)

Magenta (9%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 70.6946, 0.3986, 0.5215 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 70.6946, 0.3986, 0.5215 by changing the saturation by 10% instead.

 70.6946, 0.3986,
0.5215


 70.6946, 0.3986,
0.5215


462.9851, 0.3693,
0.4357


 52.0930, 0.4015,
0.5382


 120.1988, 0.3914,
0.4937

 37.0792, 0.4029,
0.5568


 151.8701, 0.3877,
0.4822


 25.2688, 0.4016,
0.5771

 188.6669, 0.3841,
0.4721

 16.2775, 0.3977,
0.6023

 230.9734, 0.3807,
0.4631

 9.7207, 0.3802,
0.6198

 279.1741, 0.3775,
0.4551

 5.2142, 0.3545,
0.6455


 333.6533, 0.3746,


 2.3735, 0.3131,

0.4479

0.6869


394.7956, 0.3719,
0.4415


 0.8122, 0.0122,
0.9878


 0.0000, 0.0000,
0.0000


 70.6946, 0.3986,
0.5215


 70.6946, 0.3986,
0.5215

 70.6751, 0.3986,
0.5217

 71.1527, 0.3987,
0.5162

 71.6919, 0.3966,
0.5070

 72.3376, 0.3918,
0.4932

 73.1036, 0.3845,
0.4752

■ 74.0017, 0.3750,
0.4537

■ 75.0420, 0.3637,
0.4296

■ 76.2336, 0.3512,
0.4041

■ 77.5849, 0.3382,
0.3781

■ 79.1037, 0.3250,
0.3524

Harmonies

Analogous

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



70.6946, 0.4820, 0.4570



70.6946, 0.3986, 0.5215



70.6946, 0.3000, 0.5262

Triad

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



70.6946, 0.3986, 0.5215



70.6946, 0.1368, 0.2194



70.6946, 0.4067, 0.2469

Complementary

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



70.6946, 0.3986, 0.5215



6.1035, 0.1539, 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.



70.6946, 0.2929, 0.1992



70.6946, 0.3986, 0.5215



70.6946, 0.1537, 0.1801

Square

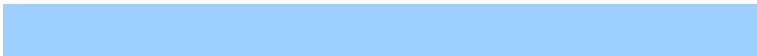
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



70.6946, 0.3986, 0.5215



70.6946, 0.1534, 0.3059



70.6946, 0.2046, 0.1756



70.6946, 0.4998, 0.3105

Rectangle

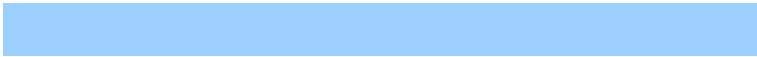
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



70.6946, 0.3986, 0.5215



70.6946, 0.2371, 0.4730



70.6946, 0.2046, 0.1756



70.6946, 0.3682, 0.2287

Sweetspot

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



70.6978, 0.3986, 0.5215



94.3541, 0.3521, 0.4058



17.9974, 0.6308, 0.3368



20.0579, 0.3575, 0.4167



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.



70.6978, 0.3986, 0.5215



87.5478, 0.3985, 0.5218



59.8804, 0.3216, 0.5826



16.7270, 0.3250, 0.3523



39.2675, 0.3989, 0.5215



2.9261, 0.4021, 0.5189

Inverse Universe

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



6.1035, 0.1539, 0.0623



7.4941, 0.1534, 0.0619



11.7408, 0.2261, 0.1021



13.9676, 0.2998, 0.3048



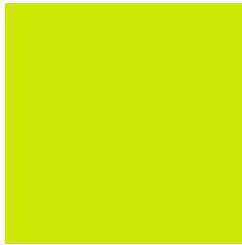
3.3929, 0.1543, 0.0624



0.2776, 0.1640, 0.0677

Previews

White Background



This preview shows how the Yxy color 70.6946, 0.3986, 0.5215 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 70.6946, 0.3986, 0.5215 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 70.6946, 0.3986, 0.5215

Background



This preview shows how black text looks on a background with the Yxy color 70.6946, 0.3986, 0.5215.

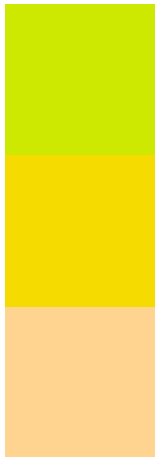


This preview shows how white text looks on a background with the Yxy color 70.6946, 0.3986, 0.5215.

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

70.6946, 0.3986, 0.5215

Protanopia

70.2559, 0.4404, 0.4885

Deuteranopia

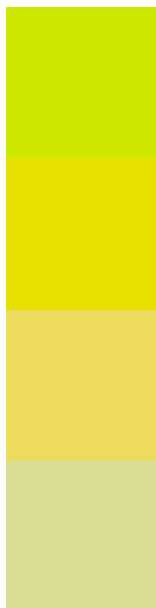
70.3913, 0.3949, 0.3977



Tritanopia

70.5245, 0.3057, 0.3107

Trichromacy



Original Color

70.6946, 0.3986, 0.5215

Protanomaly

70.3002, 0.4248, 0.5009

Deuteranomaly

69.4579, 0.4090, 0.4564

Tritanomaly

69.0114, 0.3575, 0.4121

Monochromacy



Original Color

70.6946, 0.3986, 0.5215

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

60.0171, 0.3647, 0.4301

CSS Examples

Text

The CSS property to change the color of the text to Yxy 70.6946, 0.3986, 0.5215 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, 232, 1)` looks like.

```
.text, #text, p{  
    color:rgb(205, 232, 1)  
}
```

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, 232, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(205, 232, 1) }
```

Border

The CSS property to change the border of an element to Yxy 70.6946, 0.3986, 0.5215 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, 232, 1) }
```

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

```
.border{ border-color:rgb(205, 232, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(205, 232, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(205, 232, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(205, 232, 1);  
box-shadow:4px 4px 4px 4px rgb(205, 232,  
1) }
```


Background

The CSS property to change the background color of an element to Yxy 70.6946, 0.3986, 0.5215 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(205, 232, 1) }
```

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

```
.background{ background-color: rgb(205,  
232, 1) }
```

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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