

Converting Colors

$Y_{xy}(69.7249, 0.3932, 0.5260)$

Have a look what the booklet for
Yxy(69.7249, 0.3932, 0.5260)
contains.

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Color

Yxy(69.7190, 0.3933, 0.5259)

Conversions

Conversions Part 1

Format	Color
Hex	C6E800
RGB	198, 232, 0
RGB Percent	78%, 91%, 0%
CMY	0.2236, 0.0901, 0.9995
CMYK	0.15, 0.00, 1.00, 0.09
HSL	69°, 100%, 46%
HSV	69°, 100%, 91%
XYZ	52.1401, 69.7190, 10.7117
YIQ	195.3860, 54.2080, -79.3600

Conversions

Conversions Part 2

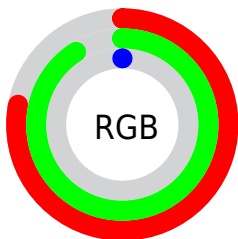
Format	Color
RYB	0, 232, 34
Decimal	13035520
CIELab	86.86, -34.05, 85.02
CIElCh	87, 91.581, 111.828
Yxy	69.7190, 0.3933, 0.5259
Android (android.graphics.Color)	4291225600 (0xFFC6E800)
YUV	195.3860, -96.3253, 2.2925
Hunter-Lab	83.4979, -34.6573, 50.8424

Details

The Yxy color **69.7190, 0.3933, 0.5259** 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 **6.1726, 0.1552, 0.0629**, and the grayscale version is **55.3857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5182, 0.4024, 0.4773**, and **36.5396, 0.3827, 0.5343** is the 20% darker color. If you saturate the color by 10%, you get **69.7194, 0.3933, 0.5259**, and if you desaturate by 10%, it is **70.2531, 0.3940, 0.5202**.

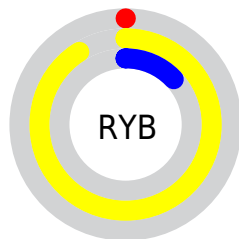
Distribution



Red (78%)

Green (91%)

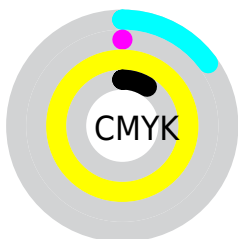
Blue (0%)



Red (0%)

Yellow (91%)

Blue (13%)

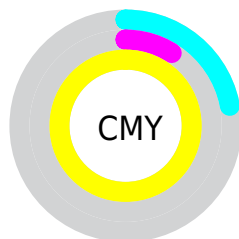


Cyan (15%)

Magenta (0%)

Yellow (100%)

Black (9%)



Cyan (22%)


Magenta (9%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.7190, 0.3933, 0.5259 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 69.7190, 0.3933, 0.5259 by changing the saturation by 10% instead.


 69.7190, 0.3933,
0.5259


 69.7190, 0.3933,
0.5259


459.5627, 0.3665,
0.4372

 51.2975, 0.3956,
0.5434


 118.8079, 0.3870,
0.4970

 36.4454, 0.3962,
0.5631


 150.2442, 0.3836,
0.4851

 24.7784, 0.3938,
0.5847


 186.7874, 0.3803,
0.4746

 15.9120, 0.3885,
0.6115

 228.8221, 0.3772,
0.4653

 9.4619, 0.3690,
0.6310

 276.7325, 0.3742,
0.4571

 5.0437, 0.3403,
0.6597


 330.9032, 0.3715,

 2.2729, 0.2941,


0.4497


0.7059


391.7185, 0.3689,
0.4431


 0.7593, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000

 69.7190, 0.3933,
0.5259

 69.7190, 0.3933,
0.5259

 69.7194, 0.3933,
0.5259

 70.2531, 0.3940,
0.5202

 70.8698, 0.3925,
0.5106

 71.5962, 0.3884,
0.4964

 72.4461, 0.3817,
0.4779

■ 73.4313, 0.3728,
0.4560

■ 74.5622, 0.3622,
0.4315

■ 75.8479, 0.3503,
0.4057

■ 77.2968, 0.3378,
0.3794

■ 78.9168, 0.3251,
0.3536

Harmonies

Analogous

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



69.7190, 0.4791, 0.4621



69.7190, 0.3933, 0.5259



69.7190, 0.2936, 0.5257

Triad

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



69.7190, 0.3933, 0.5259



69.7190, 0.1355, 0.2147



69.7190, 0.4144, 0.2495

Complementary

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



69.7190, 0.3933, 0.5259



6.1726, 0.1552, 0.0629

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.



69.7190, 0.2990, 0.2003



69.7190, 0.3933, 0.5259



69.7190, 0.1545, 0.1777

Square

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



69.7190, 0.3933, 0.5259



69.7190, 0.1500, 0.2989



69.7190, 0.2078, 0.1751



69.7190, 0.5054, 0.3142

Rectangle

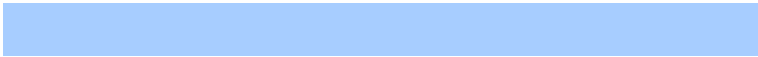
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



69.7190, 0.3933, 0.5259



69.7190, 0.2310, 0.4681



69.7190, 0.2078, 0.1751



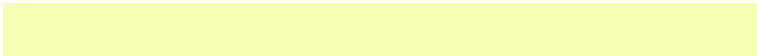
69.7190, 0.3757, 0.2309

Sweetspot

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



69.7222, 0.3933, 0.5259



93.9464, 0.3506, 0.4062



18.1404, 0.6297, 0.3382



19.9591, 0.3557, 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.



69.7222, 0.3933, 0.5259



86.3585, 0.3932, 0.5260



59.6588, 0.3196, 0.5844



16.7044, 0.3245, 0.3524



38.7441, 0.3937, 0.5256



2.8924, 0.3977, 0.5224

Inverse Universe

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



6.1726, 0.1552, 0.0629



7.6214, 0.1549, 0.0627



12.0315, 0.2295, 0.1038



13.9882, 0.3003, 0.3049



3.4568, 0.1561, 0.0633



0.2873, 0.1674, 0.0696

Previews

White Background



This preview shows how the Yxy color 69.7190, 0.3933, 0.5259 looks on a white background.

Color Contrast Check

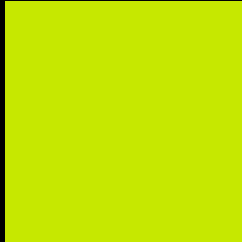
Large Text (above 18pt) WCAG AA × Fail

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 69.7190, 0.3933, 0.5259 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 69.7190, 0.3933, 0.5259

Background



This preview shows how black text looks on a background with the Yxy color 69.7190, 0.3933, 0.5259.



This preview shows how white text looks on a background with the Yxy color 69.7190, 0.3933, 0.5259.

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

69.7190, 0.3933, 0.5259

Protanopia

69.5553, 0.4405, 0.4884

Deuteranopia

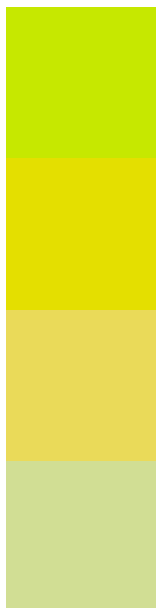
69.2173, 0.4001, 0.4017



Tritanopia

69.5939, 0.3015, 0.3105

Trichromacy



Original Color

69.7190, 0.3933, 0.5259

Protanomaly

69.2693, 0.4232, 0.5022

Deuteranomaly

68.3565, 0.4092, 0.4600

Tritanomaly

67.9360, 0.3527, 0.4148

Monochromacy



Original Color

69.7190, 0.3933, 0.5259

Achromatopsia

54.5724, 0.3127, 0.3290

Achromatomaly

58.3027, 0.3626, 0.4319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.7190, 0.3933, 0.5259 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(198, 232, 0)` looks like.

```
.text, #text, p{  
    color:rgb(198, 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(198, 232, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(198, 232, 0) }
```

Border

The CSS property to change the border of an element to Yxy 69.7190, 0.3933, 0.5259 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(198, 232, 0) }
```

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

```
.border{ border-color:rgb(198, 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(198, 232, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(198, 232, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(198, 232, 0);  
box-shadow:4px 4px 4px 4px rgb(198, 232,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 69.7190, 0.3933, 0.5259 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(198, 232, 0) }
```

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

```
.background{ background-color: rgb(198,  
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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