

Converting Colors

$Y_{xy}(69.2889, 0.3730, 0.4614)$

Have a look what the booklet for
Yxy(69.2889, 0.3730, 0.4614)
contains.

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Color

Yxy(69.3077, 0.3727, 0.4615)

Conversions

Conversions Part 1

Format	Color
Hex	CFE36D
RGB	207, 227, 109
RGB Percent	81%, 89%, 43%
CMY	0.1881, 0.1098, 0.5725
CMYK	0.09, 0.00, 0.52, 0.11
HSL	70°, 68%, 66%
HSV	70°, 52%, 89%
XYZ	55.9718, 69.3077, 24.8997
YIQ	207.5680, 25.9580, -40.9380

Conversions

Conversions Part 2

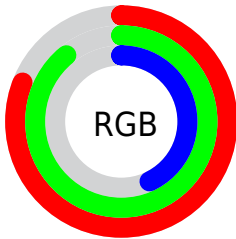
Format	Color
RYB	109, 227, 129
Decimal	13624173
CIELab	86.66, -23.39, 54.69
CIELCh	87, 59.480, 113.154
Yxy	69.3077, 0.3727, 0.4615
Android (android.graphics.Color)	4291814253 (0xFFCFE36D)
YUV	207.5680, -48.5940, -0.4981
Hunter-Lab	83.2512, -25.6799, 40.5428

Details

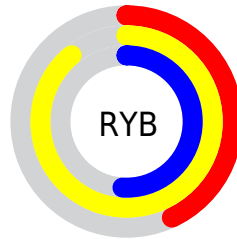
The Yxy color **69.3077, 0.3727, 0.4615** is a light color, and the websafe version is hex **CCCC66**. A complement of this color would be **21.1510, 0.2274, 0.1695**, and the grayscale version is **63.0973, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.4243, 0.3672, 0.4191**, and **36.2746, 0.3811, 0.4930** is the 20% darker color. If you saturate the color by 10%, you get **68.3371, 0.3808, 0.4833**, and if you desaturate by 10%, it is **70.4242, 0.3628, 0.4371**.

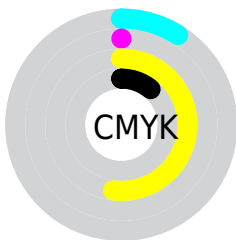
Distribution



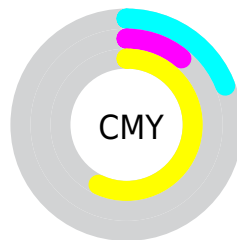
- Red (81%)
- Green (89%)
- Blue (43%)



- Red (43%)
- Yellow (89%)
- Blue (51%)



- Cyan (9%)
- Magenta (0%)
- Yellow (52%)
- Black (11%)




- Cyan (19%)
- Magenta (11%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 69.3077, 0.3727, 0.4615 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 69.3077, 0.3727, 0.4615 by changing the saturation by 10% instead.


 69.3077, 0.3727,
0.4615

 69.3077, 0.3727,
0.4615


458.1155, 0.3480,
0.3989


 50.9623, 0.3772,
0.4756


 118.2210, 0.3650,
0.4398


 36.1786, 0.3819,
0.4926


 149.5576, 0.3617,
0.4314

 24.5722, 0.3866,
0.5134

 185.9936, 0.3588,
0.4241

 15.7586, 0.3904,
0.5390

 227.9131, 0.3562,
0.4177

 9.3535, 0.3920,
0.5716

275.7007, 0.3538,
0.4121

 4.9725, 0.3872,
0.6128


329.7407, 0.3517,

 2.2311, 0.3553,

0.4072

0.6447


390.4175, 0.3497,
0.4028


 0.7369, 0.1494,
0.8506


 0.0000, 0.0000,
0.0000


 69.3077, 0.3727,
0.4615


 69.3077, 0.3727,
0.4615


 68.3371, 0.3808,
0.4833


 70.4242, 0.3628,
0.4371

 67.4930, 0.3866,
0.5014


 71.6863, 0.3515,
0.4112

 66.7670, 0.3898,
0.5152

 73.1051, 0.3395,
0.3848


 66.1453, 0.3904,
0.5244


 74.6882, 0.3272,
0.3588


 65.7038, 0.3894,
0.5290

 76.4427, 0.3151,
0.3338

 78.3750, 0.3033,
0.3102

 79.6317, 0.2999,
0.3007

 80.2880, 0.3024,
0.3009

 80.9585, 0.3050,
0.3011

Harmonies

Analogous

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



69.3077, 0.4299, 0.4312



69.3077, 0.3727, 0.4615



69.3077, 0.3030, 0.4485

Triad

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



69.3077, 0.3727, 0.4615



69.3077, 0.1864, 0.2523



69.3077, 0.3835, 0.2771

Complementary

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



69.3077, 0.3727, 0.4615



21.1510, 0.2274, 0.1695

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.



69.3077, 0.3089, 0.2392



69.3077, 0.3727, 0.4615



69.3077, 0.2017, 0.2228

Square

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



69.3077, 0.3727, 0.4615



69.3077, 0.1987, 0.3106



69.3077, 0.2437, 0.2197



69.3077, 0.4406, 0.3268

Rectangle

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



69.3077, 0.3727, 0.4615



69.3077, 0.2588, 0.4116



69.3077, 0.2437, 0.2197



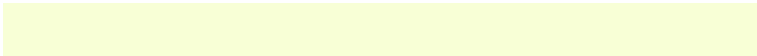
69.3077, 0.3591, 0.2628

Sweetspot

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



69.3108, 0.3727, 0.4615



96.3603, 0.3323, 0.3695



33.0506, 0.4498, 0.3519



20.5339, 0.3349, 0.3749



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.



69.3108, 0.3727, 0.4615



88.9193, 0.3811, 0.4841



62.3667, 0.3291, 0.4829



16.6874, 0.3242, 0.3524



38.3659, 0.3898, 0.5287



2.8679, 0.3944, 0.5251

Inverse Universe

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



21.1510, 0.2274, 0.1695



20.0085, 0.2074, 0.1357



27.1359, 0.2798, 0.1899



14.0037, 0.3006, 0.3049



3.5132, 0.1576, 0.0642



0.2947, 0.1699, 0.0710

Previews

White Background



This preview shows how the Yxy color 69.3077, 0.3727, 0.4615 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 69.3077, 0.3727, 0.4615 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 69.3077, 0.3727, 0.4615

Background



This preview shows how black text looks on a background with the Yxy color 69.3077, 0.3727, 0.4615.



This preview shows how white text looks on a background with the Yxy color 69.3077, 0.3727, 0.4615.

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

69.3077, 0.3727, 0.4615

Protanopia

69.1916, 0.4056, 0.4430

Deuteranopia

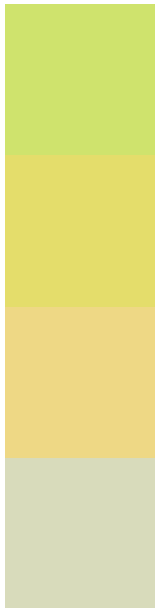
68.9363, 0.3956, 0.3939



Tritanopia

69.2348, 0.3064, 0.3106

Trichromacy



Original Color

69.3077, 0.3727, 0.4615

Protanomaly

69.2684, 0.3932, 0.4502

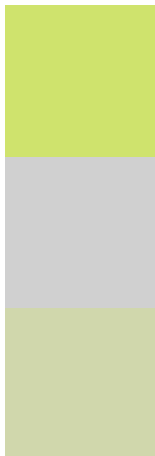
Deuteranomaly

68.9823, 0.3878, 0.4177

Tritanomaly

68.8498, 0.3323, 0.3653

Monochromacy



Original Color

69.3077, 0.3727, 0.4615

Achromatopsia

63.0757, 0.3127, 0.3290

Achromatomaly

64.9893, 0.3372, 0.3794

CSS Examples

Text

The CSS property to change the color of the text to Yxy 69.3077, 0.3727, 0.4615 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(207, 227, 109)` looks like.

```
.text, #text, p{  
    color:rgb(207, 227, 109)  
}
```

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(207, 227, 109) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(207, 227, 109) }
```

Border

The CSS property to change the border of an element to Yxy 69.3077, 0.3727, 0.4615 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(207, 227, 109) }
```

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

```
.border{ border-color:rgb(207, 227, 109) }
```

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

Here you see how a box with a 4 pixel `rgb(207, 227, 109)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(207, 227, 109); -webkit-box-  
shadow:4px 4px 4px 4px rgb(207, 227, 109);  
box-shadow:4px 4px 4px 4px rgb(207, 227,  
109) }
```


Background

The CSS property to change the background color of an element to Yxy 69.3077, 0.3727, 0.4615 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(207, 227, 109) }
```

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

```
.background{ background-color: rgb(207,  
227, 109) }
```

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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