

Converting Colors

$Yxy(65.8065, 0.3829, 0.5013)$

Have a look what the booklet for
Yxy(65.8065, 0.3829, 0.5013)
contains.

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Color

Yxy(65.7131, 0.3827, 0.5014)

Conversions

Conversions Part 1

Format	Color
Hex	C2E142
RGB	194, 225, 66
RGB Percent	76%, 88%, 26%
CMY	0.2392, 0.1176, 0.7413
CMYK	0.14, 0.00, 0.71, 0.12
HSL	72°, 73%, 57%
HSV	72°, 71%, 88%
XYZ	50.1564, 65.7131, 15.1898
YIQ	197.6050, 32.5630, -56.0210

Conversions

Conversions Part 2

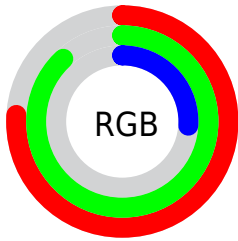
Format	Color
RYB	66, 225, 97
Decimal	12771650
CIELab	84.85, -30.65, 70.15
CIELCh	85, 76.555, 113.601
Yxy	65.7131, 0.3827, 0.5014
Android (android.graphics.Color)	4290961730 (0xFFC2E142)
YUV	197.6050, -64.8813, -3.1616
Hunter-Lab	81.0636, -31.4183, 45.6347

Details

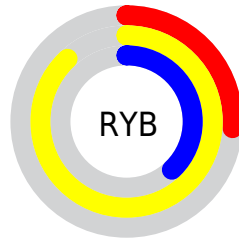
The Yxy color **65.7131, 0.3827, 0.5014** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted yellow. A complement of this color would be **11.8702, 0.1953, 0.1133**, and the grayscale version is **56.6061, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8327, 0.3870, 0.4548**, and **34.0678, 0.3856, 0.5320** is the 20% darker color. If you saturate the color by 10%, you get **64.9290, 0.3858, 0.5163**, and if you desaturate by 10%, it is **66.6246, 0.3771, 0.4822**.

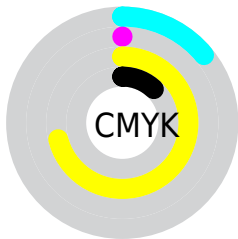
Distribution



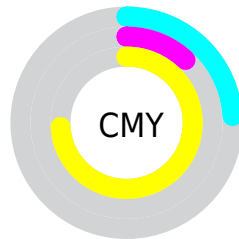
- Red (76%)
- Green (88%)
- Blue (26%)



- Red (26%)
- Yellow (88%)
- Blue (38%)



- Cyan (14%)
- Magenta (0%)
- Yellow (71%)
- Black (12%)





- Cyan (24%)
- Magenta (12%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 65.7131, 0.3827, 0.5014 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 65.7131, 0.3827, 0.5014 by changing the saturation by 10% instead.


 65.7131, 0.3827,
0.5014


 65.7131, 0.3827,
0.5014

445.3501, 0.3566,
0.4204


 48.0395, 0.3861,
0.5188


 113.0745, 0.3755,
0.4739


 33.8582, 0.3888,
0.5392


 143.5310, 0.3721,
0.4630

 22.7847, 0.3897,
0.5630


 179.0174, 0.3690,
0.4535

 14.4346, 0.3875,
0.5919

 219.9180, 0.3661,
0.4452

 8.4236, 0.3769,
0.6231

 266.6172, 0.3634,
0.4379

 4.3671, 0.3487,
0.6513

319.4993, 0.3609,

 1.8810, 0.3021,

0.4314

0.6979

378.9488, 0.3587,
0.4256

■ 0.5369, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 65.7131, 0.3827,
0.5014

■ 65.7131, 0.3827,
0.5014

■ 64.9290, 0.3858,
0.5163

■ 66.6246, 0.3771,
0.4822


■ 64.2502, 0.3863,
0.5266


■ 67.6656, 0.3692,
0.4595


■ 63.6941, 0.3848,
0.5327


■ 68.8488, 0.3595,
0.4345


■ 70.1830, 0.3486,
0.4081

 71.6760, 0.3370,
0.3815

 73.3353, 0.3252,
0.3555

 75.1677, 0.3135,
0.3306

 77.1796, 0.3022,
0.3073

 78.4782, 0.2996,
0.2986

Harmonies

Analogous

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



65.7131, 0.4577, 0.4543



65.7131, 0.3827, 0.5014



65.7131, 0.2946, 0.4902

Triad

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



65.7131, 0.3827, 0.5014



65.7131, 0.1556, 0.2279



65.7131, 0.4059, 0.2632

Complementary

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



65.7131, 0.3827, 0.5014



11.8702, 0.1953, 0.1133

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.



65.7131, 0.3076, 0.2174



65.7131, 0.3827, 0.5014



65.7131, 0.1746, 0.1949

Square

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



65.7131, 0.3827, 0.5014



65.7131, 0.1682, 0.3001



65.7131, 0.2253, 0.1932



65.7131, 0.4807, 0.3228

Rectangle

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



65.7131, 0.3827, 0.5014



65.7131, 0.2396, 0.4392



65.7131, 0.2253, 0.1932



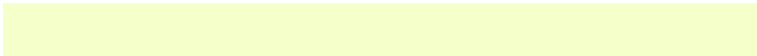
65.7131, 0.3734, 0.2460

Sweetspot

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



65.7161, 0.3827, 0.5014



95.0917, 0.3376, 0.3828



24.6094, 0.5257, 0.3580



20.2315, 0.3408, 0.3902



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.



65.7161, 0.3827, 0.5014



85.7693, 0.3863, 0.5220



57.9825, 0.3266, 0.5387



15.8875, 0.3237, 0.3524



36.7507, 0.3854, 0.5322



2.5823, 0.3909, 0.5278

Inverse Universe

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



11.8702, 0.1953, 0.1133



10.3499, 0.1728, 0.0809



18.4030, 0.2660, 0.1477



13.3713, 0.3011, 0.3050



3.4779, 0.1596, 0.0653



0.2781, 0.1738, 0.0731

Previews

White Background



This preview shows how the Yxy color 65.7131, 0.3827, 0.5014 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 65.7131, 0.3827, 0.5014 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 65.7131, 0.3827, 0.5014

Background



This preview shows how black text looks on a background with the Yxy color 65.7131, 0.3827, 0.5014.



This preview shows how white text looks on a background with the Yxy color 65.7131, 0.3827, 0.5014.

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

65.7131, 0.3827, 0.5014

Protanopia

65.4504, 0.4270, 0.4708

Deuteranopia

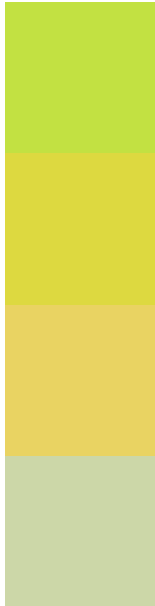
65.2562, 0.4191, 0.4156



Tritanopia

65.3409, 0.3012, 0.3100

Trichromacy



Original Color

65.7131, 0.3827, 0.5014

Protanomaly

65.3680, 0.4101, 0.4825

Deuteranomaly

64.7940, 0.4080, 0.4473

Tritanomaly

64.2654, 0.3369, 0.3848

Monochromacy



Original Color

65.7131, 0.3827, 0.5014

Achromatopsia

56.4712, 0.3127, 0.3290

Achromatomaly

59.1841, 0.3455, 0.4003

CSS Examples

Text

The CSS property to change the color of the text to Yxy 65.7131, 0.3827, 0.5014 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(194, 225, 66)` looks like.

```
.text, #text, p{  
    color:rgb(194, 225, 66)  
}
```

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(194, 225, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(194, 225, 66) }
```

Border

The CSS property to change the border of an element to Yxy 65.7131, 0.3827, 0.5014 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(194, 225, 66) }
```

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

```
.border{ border-color:rgb(194, 225, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(194, 225, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(194, 225, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(194, 225, 66);  
box-shadow:4px 4px 4px 4px rgb(194, 225,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 65.7131, 0.3827, 0.5014 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(194, 225, 66) }
```

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

```
.background{ background-color: rgb(194,  
225, 66) }
```

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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