

Converting Colors

$Yxy(67.7934, 0.3749, 0.4974)$

Have a look what the booklet for
Yxy(67.7934, 0.3749, 0.4974)
contains.

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Color

Yxy(67.7809, 0.3749, 0.4973)

Conversions

Conversions Part 1

Format	Color
Hex	C0E54D
RGB	192, 229, 77
RGB Percent	75%, 90%, 30%
CMY	0.2471, 0.1019, 0.6979
CMYK	0.16, 0.00, 0.66, 0.10
HSL	75°, 75%, 60%
HSV	75°, 66%, 90%
XYZ	51.0980, 67.7809, 17.4189
YIQ	200.6090, 26.7400, -55.1160

Conversions

Conversions Part 2

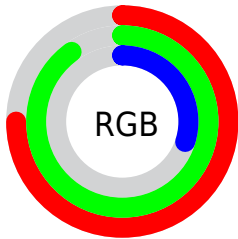
Format	Color
RYB	77, 229, 114
Decimal	12641613
CIELab	85.90, -32.65, 67.11
CIELCh	86, 74.633, 115.943
Yxy	67.7809, 0.3749, 0.4973
Android (android.graphics.Color)	4290831693 (0xFFC0E54D)
YUV	200.6090, -60.9392, -7.5501
Hunter-Lab	82.3292, -33.2890, 45.0861

Details

The Yxy color **67.7809, 0.3749, 0.4973** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **14.5528, 0.2083, 0.1277**, and the grayscale version is **58.5301, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7227, 0.3807, 0.4472**, and **35.0424, 0.3809, 0.5350** is the 20% darker color. If you saturate the color by 10%, you get **66.8009, 0.3782, 0.5152**, and if you desaturate by 10%, it is **68.9084, 0.3691, 0.4755**.

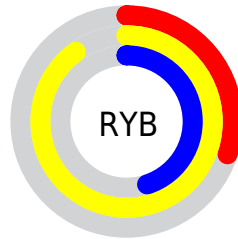
Distribution



Red (75%)

Green (90%)

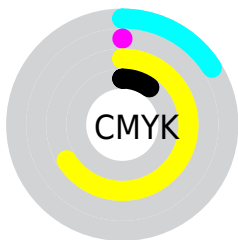
Blue (30%)



Red (30%)

Yellow (90%)

Blue (45%)

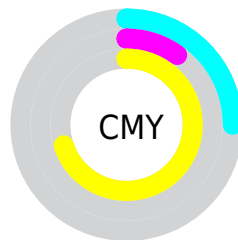


Cyan (16%)

Magenta (0%)

Yellow (66%)

Black (10%)



Cyan (25%)


Magenta (10%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 67.7809, 0.3749, 0.4973 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 67.7809, 0.3749, 0.4973 by changing the saturation by 10% instead.


 67.7809, 0.3749,
0.4973

 67.7809, 0.3749,
0.4973


452.7193, 0.3519,
0.4177


 49.7195, 0.3779,
0.5147


 116.0386, 0.3685,
0.4700


 35.1906, 0.3804,
0.5354


 147.0038, 0.3656,
0.4593

 23.8097, 0.3812,
0.5600


 183.0390, 0.3628,
0.4500

 15.1925, 0.3784,
0.5890

 224.5286, 0.3602,
0.4419

 8.9546, 0.3719,
0.6281

 271.8571, 0.3579,
0.4347

 4.7116, 0.3432,
0.6568

325.4087, 0.3557,

 2.0791, 0.2965,

0.4284

0.7035

385.5680, 0.3537,
0.4228

0.6528, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.7809, 0.3749,
0.4973

67.7809, 0.3749,
0.4973

66.8009, 0.3782,
0.5152

68.9084, 0.3691,
0.4755

65.9464, 0.3790,
0.5285


70.1854, 0.3613,
0.4507

65.2044, 0.3772,
0.5370


71.6246, 0.3519,
0.4243


64.9523, 0.3763,
0.5394

73.2349, 0.3415,
0.3972

 75.0245, 0.3306,
0.3704

 77.0009, 0.3196,
0.3446

 79.1712, 0.3088,
0.3203

 81.1994, 0.3016,
0.3029

 82.1723, 0.3053,
0.3032

Harmonies

Analogous

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



67.7809, 0.4491, 0.4559



67.7809, 0.3749, 0.4973



67.7809, 0.2892, 0.4797

Triad

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



67.7809, 0.3749, 0.4973



67.7809, 0.1602, 0.2275



67.7809, 0.4098, 0.2695

Complementary

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



67.7809, 0.3749, 0.4973



14.5528, 0.2083, 0.1277

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.



67.7809, 0.3152, 0.2234



67.7809, 0.3749, 0.4973



67.7809, 0.1812, 0.1977

Square

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



67.7809, 0.3749, 0.4973



67.7809, 0.1703, 0.2947



67.7809, 0.2333, 0.1979



67.7809, 0.4784, 0.3285

Rectangle

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



67.7809, 0.3749, 0.4973



67.7809, 0.2367, 0.4275



67.7809, 0.2333, 0.1979



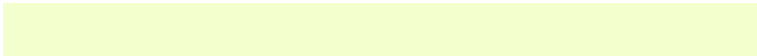
67.7809, 0.3790, 0.2523

Sweetspot

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



67.7839, 0.3749, 0.4973



94.8597, 0.3347, 0.3804



28.8951, 0.5005, 0.3661



20.1659, 0.3378, 0.3880



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.



67.7839, 0.3749, 0.4973



84.7837, 0.3789, 0.5212



60.3992, 0.3228, 0.5302



16.6312, 0.3230, 0.3525



37.1935, 0.3770, 0.5389



2.7908, 0.3834, 0.5338

Inverse Universe

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



14.5528, 0.2083, 0.1277



12.3359, 0.1853, 0.0930



21.7245, 0.2775, 0.1601



14.0558, 0.3018, 0.3050



3.7583, 0.1640, 0.0677



0.3202, 0.1785, 0.0757

Previews

White Background



This preview shows how the Yxy color 67.7809, 0.3749, 0.4973 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 67.7809, 0.3749, 0.4973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

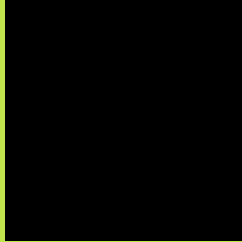
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.7809, 0.3749, 0.4973

Background



This preview shows how black text looks on a background with the Yxy color 67.7809, 0.3749, 0.4973.



This preview shows how white text looks on a background with the Yxy color 67.7809, 0.3749, 0.4973.

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

67.7809, 0.3749, 0.4973

Protanopia

67.6072, 0.4232, 0.4657

Deuteranopia

67.0686, 0.4071, 0.4046



Tritanopia

67.4180, 0.2979, 0.3101

Trichromacy



Original Color

67.7809, 0.3749, 0.4973

Protanomaly

67.3688, 0.4058, 0.4775

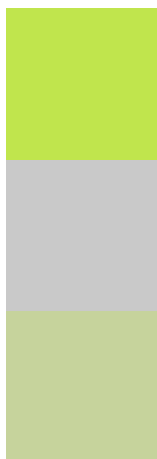
Deuteranomaly

66.4188, 0.3973, 0.4380

Tritanomaly

66.4547, 0.3307, 0.3808

Monochromacy



Original Color

67.7809, 0.3749, 0.4973

Achromatopsia

58.4078, 0.3127, 0.3290

Achromatomaly

60.9946, 0.3414, 0.3960

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.7809, 0.3749, 0.4973 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(192, 229, 77)` looks like.

```
.text, #text, p{  
    color:rgb(192, 229, 77)  
}
```

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(192, 229, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(192, 229, 77) }
```

Border

The CSS property to change the border of an element to Yxy 67.7809, 0.3749, 0.4973 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(192, 229, 77) }
```

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

```
.border{ border-color:rgb(192, 229, 77) }
```

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

Here you see how a box with a 4 pixel rgb(192, 229, 77) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(192, 229, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(192, 229, 77);  
box-shadow:4px 4px 4px 4px rgb(192, 229,  
77) }
```


Background

The CSS property to change the background color of an element to Yxy 67.7809, 0.3749, 0.4973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(192, 229, 77) }
```

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

```
.background{ background-color: rgb(192,  
229, 77) }
```

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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