

Converting Colors

Yxy(54.9591, 0.3344, 0.5334)

Have a look what the booklet for
Yxy(54.9591, 0.3344, 0.5334)
contains.

| | |
|---|----|
| Yxy(54.8729, 0.3347, 0.5330) | 3 |
| Conversions | 4 |
| Details | 6 |
| Harmonies | 12 |
| Previews | 24 |
| Color Blindness Simulation | 27 |
| CSS Examples | 30 |

Color

Yxy(54.8729, 0.3347, 0.5330)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | 7DDA40 |
| RGB | 125, 218, 64 |
| RGB Percent | 49%, 85%, 25% |
| CMY | 0.5096, 0.1451, 0.7491 |
| CMYK | 0.43, 0.00, 0.71, 0.15 |
| HSL | 96°, 68%, 55% |
| HSV | 96°, 71%, 85% |
| XYZ | 34.4577, 54.8729, 13.6204 |
| YIQ | 172.6370, -5.9940, -67.6100 |

Conversions

Conversions Part 2

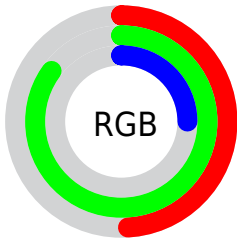
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 64, 218, 157 |
| Decimal | 8247872 |
| CIELab | 78.97, -52.82, 63.71 |
| CIELCh | 79, 82.763, 129.661 |
| Yxy | 54.8729, 0.3347, 0.5330 |
| Android (android.graphics.Color) | 4286437952 (0xFF7DDA40) |
| YUV | 172.6370, -53.5580, -41.7776 |
| Hunter-Lab | 74.0762, -46.6014, 40.9517 |

Details

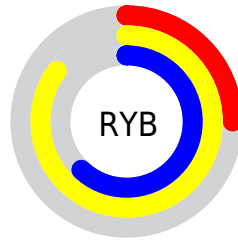
The Yxy color **54.8729, 0.3347, 0.5330** is a dark color, and the websafe version is hex **66CC33**. The color can be described as middle muted chartreuse. A complement of this color would be **15.8861, 0.2530, 0.1416**, and the grayscale version is **41.8787, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.9433, 0.3405, 0.4814**, and **26.9645, 0.3249, 0.5802** is the 20% darker color. If you saturate the color by 10%, you get **53.7480, 0.3322, 0.5553**, and if you desaturate by 10%, it is **56.2307, 0.3352, 0.5060**.

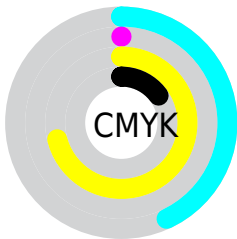
Distribution



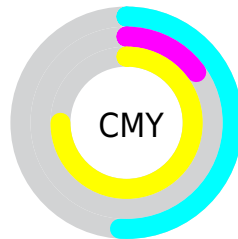
- Red (49%)
- Green (85%)
- Blue (25%)



- Red (25%)
- Yellow (85%)
- Blue (62%)



- Cyan (43%)
- Magenta (0%)
- Yellow (71%)
- Black (15%)





- Cyan (51%)
- Magenta (15%)
- Yellow (75%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.8729, 0.3347, 0.5330 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 54.8729, 0.3347, 0.5330 by changing the saturation by 10% instead.


 54.8729, 0.3347,
0.5330

 54.8729, 0.3347,
0.5330


405.4300, 0.3319,
0.4289

 39.3000, 0.3324,
0.5580


 97.3547, 0.3359,
0.4955


 26.9932, 0.3276,
0.5888


 125.0324, 0.3356,
0.4813


 17.5681, 0.3183,
0.6270


 157.5138, 0.3352,
0.4692

 10.6403, 0.3036,
0.6808

 195.1832, 0.3346,
0.4588

 5.8255, 0.2679,
0.7321

 238.4252, 0.3339,
0.4498

 2.7393, 0.2050,
0.7950

287.6240, 0.3332,

 0.9972, 0.0000,

0.4419

1.0000

343.1642, 0.3325,
0.4350

■ 0.0000, 0.0000,
0.0000

■ 54.8729, 0.3347,
0.5330

■ 54.8729, 0.3347,
0.5330

■ 53.7480, 0.3322,
0.5553

■ 56.2307, 0.3352,
0.5060

■ 52.8316, 0.3280,
0.5716


■ 57.8292, 0.3340,
0.4759

■ 52.1416, 0.3230,
0.5817

■ 59.6841, 0.3313,
0.4446

■ 61.8078, 0.3275,
0.4135

■ 64.2118, 0.3230,
0.3837

 66.9066, 0.3181,
0.3560

 69.9023, 0.3130,
0.3306

 73.2086, 0.3080,
0.3077

 76.4971, 0.3064,
0.2921

Harmonies

Analogous

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



54.8729, 0.4297, 0.5014



54.8729, 0.3347, 0.5330



54.8729, 0.2391, 0.4726

Triad

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



54.8729, 0.3347, 0.5330



54.8729, 0.1455, 0.1905



54.8729, 0.4719, 0.2878

Complementary

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



54.8729, 0.3347, 0.5330



15.8861, 0.2530, 0.1416

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.



54.8729, 0.3662, 0.2289



54.8729, 0.3347, 0.5330



54.8729, 0.1839, 0.1750

Square

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



54.8729, 0.3347, 0.5330



54.8729, 0.1398, 0.2444



54.8729, 0.2588, 0.1892



54.8729, 0.5229, 0.3565

Rectangle

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



54.8729, 0.3347, 0.5330



54.8729, 0.1884, 0.3904



54.8729, 0.2588, 0.1892



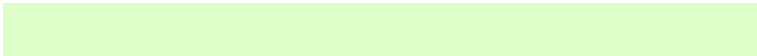
54.8729, 0.4404, 0.2667

Sweetspot

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



54.8753, 0.3347, 0.5330



91.3957, 0.3233, 0.3853



39.1822, 0.4583, 0.4297



19.3505, 0.3246, 0.3934



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.



54.8753, 0.3347, 0.5330



75.9607, 0.3303, 0.5644



51.8014, 0.2969, 0.5375



14.8568, 0.3175, 0.3527



31.2969, 0.3240, 0.5809



2.0767, 0.3370, 0.5706

Inverse Universe

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



15.8861, 0.2530, 0.1416



17.0641, 0.2370, 0.1151



22.8612, 0.3377, 0.1861



13.0039, 0.3075, 0.3055



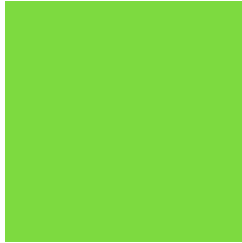
6.0147, 0.2244, 0.1010



0.4392, 0.2399, 0.1095

Previews

White Background



This preview shows how the Yxy color 54.8729, 0.3347, 0.5330 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 54.8729, 0.3347, 0.5330 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 54.8729, 0.3347, 0.5330

Background



This preview shows how black text looks on a background with the Yxy color 54.8729, 0.3347, 0.5330.



This preview shows how white text looks on a background with the Yxy color 54.8729, 0.3347, 0.5330.

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

54.8729, 0.3347, 0.5330

Protanopia

54.2411, 0.4266, 0.4704

Deuteranopia

54.0970, 0.4467, 0.4372



Tritanopia

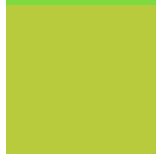
54.7426, 0.2643, 0.3085

Trichromacy



Original Color

54.8729, 0.3347, 0.5330



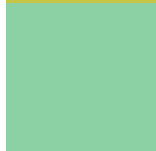
Protanomaly

53.2285, 0.3901, 0.4951



Deuteranomaly

52.5425, 0.4021, 0.4727



Tritanomaly

53.8207, 0.2937, 0.3929

Monochromacy



Original Color

54.8729, 0.3347, 0.5330



Achromatopsia

41.7885, 0.3127, 0.3290



Achromatomaly

45.1566, 0.3277, 0.4094

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.8729, 0.3347, 0.5330 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(125, 218, 64)` looks like.

```
.text, #text, p{  
    color:rgb(125, 218, 64)  
}
```

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(125, 218, 64) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(125, 218, 64) }
```

Border

The CSS property to change the border of an element to Yxy 54.8729, 0.3347, 0.5330 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(125, 218, 64) }
```

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

```
.border{ border-color:rgb(125, 218, 64) }
```

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

Here you see how a box with a 4 pixel rgb(125, 218, 64) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(125, 218, 64); -webkit-box-  
shadow:4px 4px 4px 4px rgb(125, 218, 64);  
box-shadow:4px 4px 4px 4px rgb(125, 218,  
64) }
```


Background

The CSS property to change the background color of an element to Yxy 54.8729, 0.3347, 0.5330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(125, 218, 64) }
```

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

```
.background{ background-color: rgb(125,  
218, 64) }
```

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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