

Converting Colors

Yxy(57.0730, 0.3406, 0.4954)

Have a look what the booklet for
Yxy(57.0730, 0.3406, 0.4954)
contains.

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Color

Yxy(57.2877, 0.3407, 0.4959)

Conversions

Conversions Part 1

Format	Color
Hex	95DA5B
RGB	149, 218, 91
RGB Percent	58%, 85%, 36%
CMY	0.4155, 0.1451, 0.6432
CMYK	0.32, 0.00, 0.58, 0.15
HSL	93°, 63%, 61%
HSV	93°, 58%, 85%
XYZ	39.3586, 57.2877, 18.8764
YIQ	182.8910, -0.3570, -54.1250

Conversions

Conversions Part 2

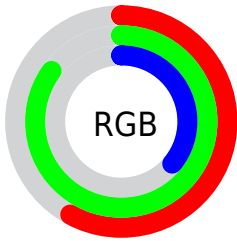
Format	Color
RYB	91, 218, 160
Decimal	9820763
CIELab	80.34, -42.58, 54.59
CIELCh	80, 69.231, 127.958
Yxy	57.2877, 0.3407, 0.4959
Android (android.graphics.Color)	4288010843 (0xFF95DA5B)
YUV	182.8910, -45.3023, -29.7224
Hunter-Lab	75.6886, -39.6340, 38.1954

Details

The Yxy color **57.2877, 0.3407, 0.4959** is a light color, and the websafe version is hex **99CC33**. The color can be described as light muted chartreuse. A complement of this color would be **20.0094, 0.2585, 0.1675**, and the grayscale version is **47.5487, 0.3127, 0.3290**.

A 20% lighter version of the original color is **86.6861, 0.3436, 0.4491**, and **28.6489, 0.3394, 0.5423** is the 20% darker color. If you saturate the color by 10%, you get **55.9094, 0.3413, 0.5228**, and if you desaturate by 10%, it is **58.8934, 0.3382, 0.4664**.

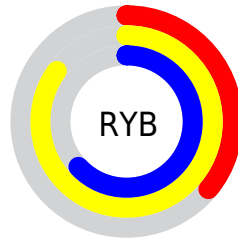
Distribution



Red (58%)

Green (85%)

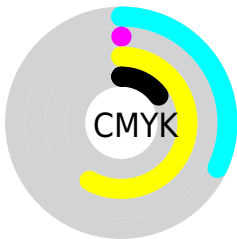
Blue (36%)



Red (36%)

Yellow (85%)

Blue (63%)

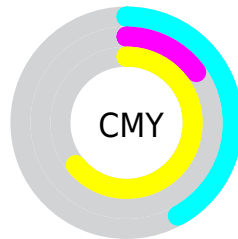


Cyan (32%)

Magenta (0%)

Yellow (58%)

Black (15%)



Cyan (42%)


Magenta (15%)

Yellow (64%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 57.2877, 0.3407, 0.4959 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 57.2877, 0.3407, 0.4959 by changing the saturation by 10% instead.


 57.2877, 0.3407,
0.4959


 57.2877, 0.3407,
0.4959

414.5265, 0.3322,
0.4115


 41.2363, 0.3408,
0.5163


 100.8849, 0.3390,
0.4655


 28.5037, 0.3398,
0.5419


 129.1994, 0.3380,
0.4540

 18.7057, 0.3365,
0.5742


 162.3704, 0.3369,
0.4442

 11.4578, 0.3281,
0.6155

 200.7823, 0.3359,
0.4358

 6.3757, 0.3165,
0.6835

244.8194, 0.3348,
0.4285

 3.0748, 0.2684,
0.7316

294.8662, 0.3339,

 1.1709, 0.0399,

0.4221

0.9601

351.3071, 0.3330,
0.4165

■ 0.0378, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 57.2877, 0.3407,
0.4959

■ 57.2877, 0.3407,
0.4959

■ 55.9094, 0.3413,
0.5228

■ 58.8934, 0.3382,
0.4664

■ 54.7379, 0.3399,
0.5455


■ 60.7308, 0.3343,
0.4358

■ 53.7607, 0.3364,
0.5628

■ 62.8132, 0.3293,
0.4056

■ 52.9572, 0.3311,
0.5743

■ 65.1508, 0.3237,
0.3766


 52.8308, 0.3302,
0.5760

 67.7529, 0.3177,
0.3496

 70.6284, 0.3117,
0.3249

 73.7857, 0.3057,
0.3025

 76.5461, 0.3066,
0.2921

 78.6220, 0.3144,
0.2930

Harmonies

Analogous

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



57.2877, 0.4207, 0.4747



57.2877, 0.3407, 0.4959



57.2877, 0.2578, 0.4488

Triad

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



57.2877, 0.3407, 0.4959



57.2877, 0.1672, 0.2135



57.2877, 0.4403, 0.2929

Complementary

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



57.2877, 0.3407, 0.4959



20.0094, 0.2585, 0.1675

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.



57.2877, 0.3528, 0.2412



57.2877, 0.3407, 0.4959



57.2877, 0.2000, 0.1965

Square

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



57.2877, 0.3407, 0.4959



57.2877, 0.1647, 0.2644



57.2877, 0.2639, 0.2071



57.2877, 0.4874, 0.3540

Rectangle

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



57.2877, 0.3407, 0.4959



57.2877, 0.2123, 0.3859



57.2877, 0.2639, 0.2071



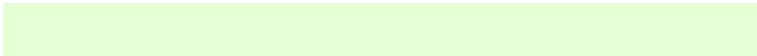
57.2877, 0.4138, 0.2742

Sweetspot

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



57.2902, 0.3407, 0.4959



93.3220, 0.3230, 0.3735



40.3622, 0.4362, 0.4080



19.8218, 0.3242, 0.3792



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.



57.2902, 0.3407, 0.4959



79.3265, 0.3412, 0.5286



53.1956, 0.3021, 0.5108



14.8963, 0.3184, 0.3527



31.7140, 0.3313, 0.5752



2.1054, 0.3440, 0.5650

Inverse Universe

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



20.0094, 0.2585, 0.1675



21.3897, 0.2434, 0.1370



27.2277, 0.3235, 0.1968



12.9637, 0.3065, 0.3054



5.4200, 0.2114, 0.0938



0.4021, 0.2284, 0.1032

Previews

White Background



This preview shows how the Yxy color 57.2877, 0.3407, 0.4959 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 57.2877, 0.3407, 0.4959 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 57.2877, 0.3407, 0.4959

Background



This preview shows how black text looks on a background with the Yxy color 57.2877, 0.3407, 0.4959.

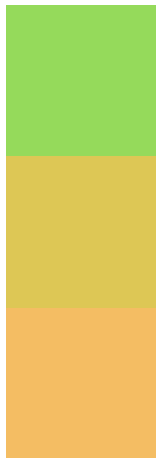


This preview shows how white text looks on a background with the Yxy color 57.2877, 0.3407, 0.4959.

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

57.2877, 0.3407, 0.4959

Protanopia

56.8749, 0.4131, 0.4528

Deuteranopia

56.5291, 0.4312, 0.4220



Tritanopia

57.2079, 0.2758, 0.3092

Trichromacy



Original Color

57.2877, 0.3407, 0.4959



Protanomaly

56.4328, 0.3852, 0.4695



Deuteranomaly

55.7084, 0.3956, 0.4493



Tritanomaly

56.7262, 0.3011, 0.3764

Monochromacy



Original Color

57.2877, 0.3407, 0.4959



Achromatopsia

47.3531, 0.3127, 0.3290



Achromatomaly

50.3398, 0.3266, 0.3910

CSS Examples

Text

The CSS property to change the color of the text to Yxy 57.2877, 0.3407, 0.4959 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(149, 218, 91)` looks like.

```
.text, #text, p{  
    color:rgb(149, 218, 91)  
}
```

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(149, 218, 91) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(149, 218, 91) }
```

Border

The CSS property to change the border of an element to Yxy 57.2877, 0.3407, 0.4959 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(149, 218, 91) }
```

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

```
.border{ border-color:rgb(149, 218, 91) }
```

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

Here you see how a box with a 4 pixel `rgb(149, 218, 91)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(149, 218, 91); -webkit-box-  
shadow:4px 4px 4px 4px rgb(149, 218, 91);  
box-shadow:4px 4px 4px 4px rgb(149, 218,  
91) }
```


Background

The CSS property to change the background color of an element to Yxy 57.2877, 0.3407, 0.4959 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(149, 218, 91) }
```

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

```
.background{ background-color: rgb(149,  
218, 91) }
```

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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