

Converting Colors

Yxy(53.7963, 0.3575, 0.4936)

Have a look what the booklet for
Yxy(53.7963, 0.3575, 0.4936)
contains.

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Color

Yxy(53.7872, 0.3576, 0.4929)

Conversions

Conversions Part 1

Format	Color
Hex	A1D152
RGB	161, 209, 82
RGB Percent	63%, 82%, 32%
CMY	0.3686, 0.1804, 0.6783
CMYK	0.23, 0.00, 0.61, 0.18
HSL	83°, 58%, 57%
HSV	83°, 61%, 82%
XYZ	39.0227, 53.7872, 16.3140
YIQ	180.1700, 12.1590, -49.6730

Conversions

Conversions Part 2

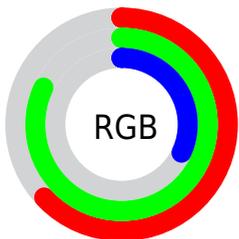
Format	Color
R_{YB}	82, 209, 130
Decimal	10604882
CIE _{Lab}	78.34, -35.01, 56.42
CIE _{LCh}	78, 66.404, 121.818
Yxy	53.7872, 0.3576, 0.4929
Android (android.graphics.Color)	4288794962 (0xFFA1D152)
YUV	180.1700, -48.3978, -16.8121
Hunter-Lab	73.3398, -33.3680, 38.1491

Details

The Yxy color **53.7872, 0.3576, 0.4929** 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 **15.3920, 0.2346, 0.1521**, and the grayscale version is **46.0012, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.2030, 0.3563, 0.4547**, and **26.2413, 0.3612, 0.5366** is the 20% darker color. If you saturate the color by 10%, you get **52.7230, 0.3601, 0.5159**, and if you desaturate by 10%, it is **55.0049, 0.3529, 0.4668**.

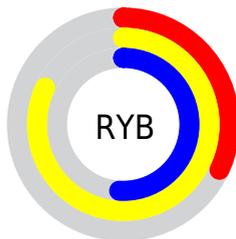
Distribution



Red (63%)

Green (82%)

Blue (32%)



Red (32%)

Yellow (82%)

Blue (51%)

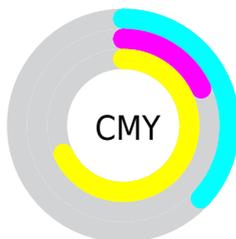


Cyan (23%)

Magenta (0%)

Yellow (61%)

Black (18%)



Cyan (37%)

Magenta (18%)

Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.7872, 0.3576, 0.4929 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 53.7872, 0.3576, 0.4929 by changing the saturation by 10% instead.

 53.7872, 0.3576,
0.4929

 53.7872, 0.3576,
0.4929

401.2980, 0.3408,
0.4105

 38.4316, 0.3595,
0.5126

 95.7617, 0.3531,
0.4634

 26.3178, 0.3606,
0.5369

 123.1494, 0.3509,
0.4522

 17.0615, 0.3596,
0.5672

 155.3165, 0.3489,
0.4426

 10.2784, 0.3543,
0.6058

 192.6475, 0.3470,
0.4343

 5.5839, 0.3412,
0.6588

 235.5268, 0.3452,
0.4272

 2.5938, 0.2972,
0.7028

284.3387, 0.3436,

 0.9235, 0.0239,

0.4209

0.9761

339.4676, 0.3422,
0.4154

0.0000, 0.0000,
0.0000

53.7872, 0.3576,
0.4929

53.7872, 0.3576,
0.4929

52.7230, 0.3601,
0.5159

55.0049, 0.3529,
0.4668

51.7952, 0.3602,
0.5346

56.3779, 0.3466,
0.4389

50.9943, 0.3579,
0.5483

57.9166, 0.3390,
0.4105

50.3475, 0.3541,
0.5570

59.6284, 0.3307,
0.3826

61.5202, 0.3220,
0.3558

■ 63.5985, 0.3134,
0.3308

■ 65.8693, 0.3049,
0.3077

■ 68.3384, 0.2968,
0.2867

■ 69.9976, 0.2986,
0.2818

Harmonies

Analogous

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



53.7872, 0.4329, 0.4626



53.7872, 0.3576, 0.4929



53.7872, 0.2749, 0.4611

Triad

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



53.7872, 0.3576, 0.4929



53.7872, 0.1666, 0.2230



53.7872, 0.4222, 0.2822

Complementary

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



53.7872, 0.3576, 0.4929



15.3920, 0.2346, 0.1521

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.



53.7872, 0.3332, 0.2342



53.7872, 0.3576, 0.4929



53.7872, 0.1929, 0.1998

Square

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



53.7872, 0.3576, 0.4929



53.7872, 0.1705, 0.2808



53.7872, 0.2496, 0.2050



53.7872, 0.4791, 0.3413

Rectangle

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



53.7872, 0.3576, 0.4929



53.7872, 0.2268, 0.4049



53.7872, 0.2496, 0.2050



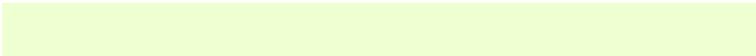
53.7872, 0.3942, 0.2646

Sweetspot

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



53.7896, 0.3576, 0.4929



94.2446, 0.3285, 0.3756



29.7582, 0.4612, 0.3853



19.9924, 0.3310, 0.3837



0.0000, 0.0000, 0.0000



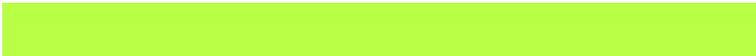
21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



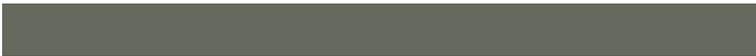
53.7896, 0.3576, 0.4929



82.2156, 0.3604, 0.5222



48.8629, 0.3128, 0.5187



13.5651, 0.3209, 0.3524



31.0997, 0.3550, 0.5563



1.7836, 0.3668, 0.5469

Inverse Universe

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



15.3920, 0.2346, 0.1521



16.9661, 0.2141, 0.1178



21.8596, 0.3004, 0.1810



11.6323, 0.3040, 0.3054



3.9158, 0.1817, 0.0774



0.2639, 0.2027, 0.0890

Previews

White Background



This preview shows how the Yxy color 53.7872, 0.3576, 0.4929 looks on a white background.

Color Contrast Check

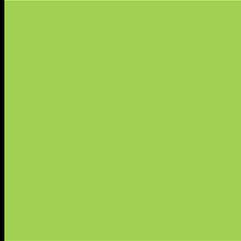
Large Text (above 18pt) WCAG AA × Fail

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 53.7872, 0.3576, 0.4929 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 53.7872, 0.3576, 0.4929

Background



This preview shows how black text looks on a background with the Yxy color 53.7872, 0.3576, 0.4929.



This preview shows how white text looks on a background with the Yxy color 53.7872, 0.3576, 0.4929.

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

53.7872, 0.3576, 0.4929

Protanopia

53.1228, 0.4165, 0.4569

Deuteranopia

53.3530, 0.4371, 0.4276



Tritanopia

53.5301, 0.2877, 0.3103

Trichromacy



Original Color

53.7872, 0.3576, 0.4929

Protanomaly

53.0135, 0.3936, 0.4706

Deuteranomaly

52.6607, 0.4079, 0.4511

Tritanomaly

53.1116, 0.3158, 0.3779

Monochromacy



Original Color

53.7872, 0.3576, 0.4929

Achromatopsia

45.6411, 0.3127, 0.3290

Achromatomaly

48.1595, 0.3336, 0.3929

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.7872, 0.3576, 0.4929 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(161, 209, 82)` looks like.

```
.text, #text, p{  
    color:rgb(161, 209, 82)  
}
```

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(161, 209, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(161, 209, 82) }
```

Border

The CSS property to change the border of an element to Yxy 53.7872, 0.3576, 0.4929 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(161, 209, 82) }
```

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

```
.border{ border-color:rgb(161, 209, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(161, 209, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(161, 209, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(161, 209, 82);  
box-shadow:4px 4px 4px 4px rgb(161, 209,  
82) }
```

Background

The CSS property to change the background color of an element to Yxy 53.7872, 0.3576, 0.4929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(161, 209, 82) }
```

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

```
.background{ background-color: rgb(161,  
209, 82) }
```

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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