

Converting Colors

Yxy(54.9284, 0.2904, 0.5387)

Have a look what the booklet for
Yxy(54.9284, 0.2904, 0.5387)
contains.

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Color

$\text{Yxy}(55.0949, 0.2904, 0.5388)$

Conversions

Conversions Part 1

Format	Color
Hex	2FE154
RGB	47, 225, 84
RGB Percent	18%, 88%, 33%
CMY	0.8162, 0.1176, 0.6704
CMYK	0.79, 0.00, 0.63, 0.12
HSL	133°, 75%, 53%
HSV	133°, 79%, 88%
XYZ	29.6948, 55.0949, 17.4651
YIQ	155.7040, -60.8270, -81.5870

Conversions

Conversions Part 2

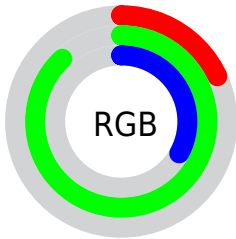
Format	Color
RYB	47, 194, 225
Decimal	3137876
CIELab	79.10, -70.62, 55.29
CIELCh	79, 89.691, 141.942
Yxy	55.0949, 0.2904, 0.5388
Android (android.graphics.Color)	4281327956 (0xFF2FE154)
YUV	155.7040, -35.3501, -95.3334
Hunter-Lab	74.2259, -58.4847, 38.0074

Details

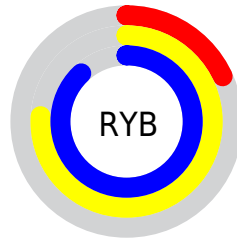
The Yxy color **55.0949, 0.2904, 0.5388** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **21.6562, 0.3663, 0.1929**, and the grayscale version is **33.2748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.5659, 0.2985, 0.4772**, and **28.0798, 0.2961, 0.5860** is the 20% darker color. If you saturate the color by 10%, you get **54.4499, 0.2919, 0.5616**, and if you desaturate by 10%, it is **56.0904, 0.2902, 0.5119**.

Distribution



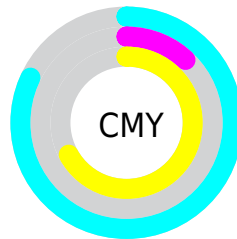
- Red (18%)
- Green (88%)
- Blue (33%)



- Red (18%)
- Yellow (76%)
- Blue (88%)



- Cyan (79%)
- Magenta (0%)
- Yellow (63%)
- Black (12%)





- Cyan (82%)
- Magenta (12%)
- Yellow (67%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 55.0949, 0.2904, 0.5388 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 55.0949, 0.2904, 0.5388 by changing the saturation by 10% instead.


 55.0949, 0.2904,
0.5388


 55.0949, 0.2904,
0.5388


406.2716, 0.3082,
0.4283


 39.4777, 0.2837,
0.5669

 97.6800, 0.2986,
0.4979

 27.1316, 0.2738,
0.6028


 125.4167, 0.3011,
0.4827


 17.6720, 0.2585,
0.6492

 157.9620, 0.3031,
0.4700

 10.7148, 0.2340,
0.7099

 195.7003, 0.3046,
0.4591

 5.8754, 0.1970,
0.8030

 239.0160, 0.3058,
0.4498

 2.7695, 0.0934,
0.9066


288.2935, 0.3068,


 1.0126, 0.0000,


0.4416


1.0000

343.9172, 0.3076,
0.4345

 0.0000, 0.0000,
0.0000

 55.0949, 0.2904,
0.5388

 55.0949, 0.2904,
0.5388


 54.4499, 0.2919,
0.5616


 56.0904, 0.2902,
0.5119


 54.0840, 0.2943,
0.5790

 57.4718, 0.2914,
0.4826

 54.0597, 0.2945,
0.5802

 59.2774, 0.2936,
0.4525


 61.5389, 0.2968,
0.4231

 64.2850, 0.3005,
0.3955

 67.5421, 0.3046,
0.3702

 71.3346, 0.3089,
0.3475

 75.6852, 0.3131,
0.3274

 80.6154, 0.3171,
0.3099

Harmonies

Analogous

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



55.0949, 0.3944, 0.5359



55.0949, 0.2904, 0.5388



55.0949, 0.1974, 0.4322

Triad

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



55.0949, 0.2904, 0.5388



55.0949, 0.1478, 0.1708



55.0949, 0.5166, 0.3122

Complementary

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



55.0949, 0.2904, 0.5388



21.6562, 0.3663, 0.1929

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.



55.0949, 0.4205, 0.2457



55.0949, 0.2904, 0.5388



55.0949, 0.2028, 0.1686

Square

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



55.0949, 0.2904, 0.5388



55.0949, 0.1281, 0.2081



55.0949, 0.2982, 0.1947



55.0949, 0.5364, 0.3861

Rectangle

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



55.0949, 0.2904, 0.5388



55.0949, 0.1557, 0.3374



55.0949, 0.2982, 0.1947



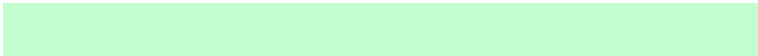
55.0949, 0.4916, 0.2890

Sweetspot

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



55.0972, 0.2904, 0.5388



87.4468, 0.3026, 0.3825



64.9270, 0.3848, 0.5149



18.3947, 0.3011, 0.3918



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.



55.0972, 0.2904, 0.5388



71.9659, 0.2935, 0.5735



57.4184, 0.2519, 0.4074



15.3838, 0.3087, 0.3481



31.1628, 0.2939, 0.5780



2.1731, 0.2860, 0.5496

Inverse Universe

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



21.6562, 0.3663, 0.1929



25.9230, 0.3795, 0.1880



18.9584, 0.5107, 0.2816



13.8841, 0.3170, 0.3106



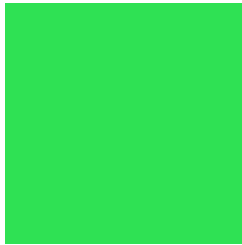
11.0953, 0.3817, 0.1876



0.7815, 0.3705, 0.1815

Previews

White Background



This preview shows how the Yxy color 55.0949, 0.2904, 0.5388 looks on a white background.

Color Contrast Check

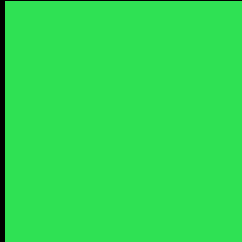
Large Text (above 18pt) WCAG AA × Fail

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 55.0949, 0.2904, 0.5388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

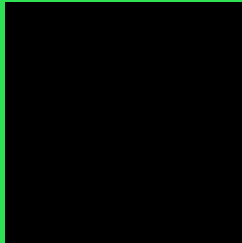
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.0949, 0.2904, 0.5388

Background



This preview shows how black text looks on a background with the Yxy color 55.0949, 0.2904, 0.5388.



This preview shows how white text looks on a background with the Yxy color 55.0949, 0.2904, 0.5388.

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

55.0949, 0.2904, 0.5388

Protanopia

53.6905, 0.4177, 0.4588

Deuteranopia

53.8932, 0.4318, 0.4226



Tritanopia

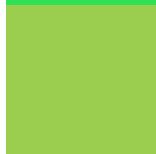
54.8426, 0.2371, 0.3063

Trichromacy



Original Color

55.0949, 0.2904, 0.5388



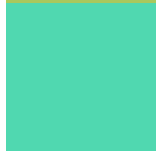
Protanomaly

51.1813, 0.3563, 0.4966



Deuteranomaly

50.5163, 0.3630, 0.4708



Tritanomaly

53.9518, 0.2564, 0.3874

Monochromacy



Original Color

55.0949, 0.2904, 0.5388



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

38.3725, 0.2978, 0.4118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.0949, 0.2904, 0.5388 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(47, 225, 84)` looks like.

```
.text, #text, p{  
    color:rgb(47, 225, 84)  
}
```

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(47, 225, 84) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(47, 225, 84) }
```

Border

The CSS property to change the border of an element to Yxy 55.0949, 0.2904, 0.5388 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(47, 225, 84) }
```

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

```
.border{ border-color:rgb(47, 225, 84) }
```

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

Here you see how a box with a 4 pixel `rgb(47, 225, 84)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(47, 225, 84); -webkit-box-  
shadow:4px 4px 4px 4px rgb(47, 225, 84);  
box-shadow:4px 4px 4px 4px rgb(47, 225,  
84) }
```


Background

The CSS property to change the background color of an element to Yxy 55.0949, 0.2904, 0.5388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(47, 225, 84) }
```

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

```
.background{ background-color: rgb(47, 225,  
84) }
```

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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