

Converting Colors

Yxy(54.4751, 0.3029, 0.5515)

Have a look what the booklet for
Yxy(54.4751, 0.3029, 0.5515)
contains.

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Color

Yxy(54.4948, 0.3030, 0.5512)

Conversions

Conversions Part 1

Format	Color
Hex	46DF44
RGB	70, 223, 68
RGB Percent	27%, 87%, 27%
CMY	0.7256, 0.1255, 0.7332
CMYK	0.69, 0.00, 0.69, 0.13
HSL	119°, 71%, 57%
HSV	119°, 69%, 87%
XYZ	29.9563, 54.4948, 14.4146
YIQ	159.5830, -41.4330, -80.6410

Conversions

Conversions Part 2

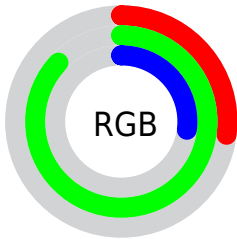
Format	Color
RYB	68, 223, 221
Decimal	4644676
CIELab	78.75, -68.14, 61.43
CIELCh	79, 91.738, 137.963
Yxy	54.4948, 0.3030, 0.5512
Android (android.graphics.Color)	4282834756 (0xFF46DF44)
YUV	159.5830, -45.1504, -78.5643
Hunter-Lab	73.8206, -56.7509, 40.0971

Details

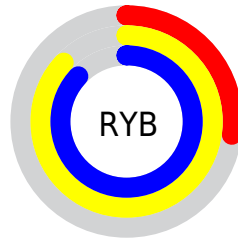
The Yxy color **54.4948, 0.3030, 0.5512** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **24.8515, 0.3178, 0.1746**, and the grayscale version is **35.1774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.2936, 0.3116, 0.4907**, and **27.2724, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **53.6005, 0.3017, 0.5756**, and if you desaturate by 10%, it is **55.7973, 0.3045, 0.5202**.

Distribution



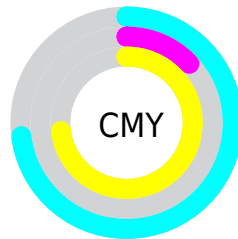
- Red (27%)
- Green (87%)
- Blue (27%)



- Red (27%)
- Yellow (87%)
- Blue (87%)



- Cyan (69%)
- Magenta (0%)
- Yellow (69%)
- Black (13%)





- Cyan (73%)
- Magenta (13%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.4948, 0.3030, 0.5512 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 54.4948, 0.3030, 0.5512 by changing the saturation by 10% instead.

 54.4948, 0.3030,
0.5512


 54.4948, 0.3030,
0.5512


403.9940, 0.3161,
0.4349


 38.9974, 0.2968,
0.5802


 96.8004, 0.3099,
0.5086


 26.7577, 0.2873,
0.6165

 124.3773, 0.3118,
0.4926

 17.3913, 0.2719,
0.6625


 156.7495, 0.3132,
0.4791

 10.5139, 0.2482,
0.7258

 194.3015, 0.3142,
0.4677

 5.7410, 0.2045,
0.7955

 237.4175, 0.3149,
0.4578

 2.6882, 0.1033,
0.8967

286.4820, 0.3154,

 0.9712, 0.0000,

0.4491

1.0000

341.8794, 0.3158,
0.4416

■ 0.0000, 0.0000,
0.0000

■ 54.4948, 0.3030,
0.5512

■ 54.4948, 0.3030,
0.5512

■ 53.6005, 0.3017,
0.5756

■ 55.7973, 0.3045,
0.5202

■ 53.0604, 0.3007,
0.5916

■ 57.5410, 0.3061,
0.4854


■ 52.8058, 0.3002,
0.5995

■ 59.7635, 0.3077,
0.4495


■ 52.7960, 0.3002,
0.5998


■ 62.4964, 0.3092,
0.4147

■ 65.7687, 0.3106,
0.3824

 69.6070, 0.3118,
0.3533

 74.0364, 0.3128,
0.3278

 79.0804, 0.3136,
0.3056

 81.2581, 0.3142,
0.2980

Harmonies

Analogous

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



54.4948, 0.4084, 0.5329



54.4948, 0.3030, 0.5512



54.4948, 0.2052, 0.4544

Triad

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



54.4948, 0.3030, 0.5512



54.4948, 0.1402, 0.1703



54.4948, 0.5126, 0.3017

Complementary

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



54.4948, 0.3030, 0.5512



24.8515, 0.3178, 0.1746

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.



54.4948, 0.4065, 0.2357



54.4948, 0.3030, 0.5512



54.4948, 0.1907, 0.1641

Square

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



54.4948, 0.3030, 0.5512



54.4948, 0.1245, 0.2136



54.4948, 0.2824, 0.1870



54.4948, 0.5435, 0.3755

Rectangle

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



54.4948, 0.3030, 0.5512



54.4948, 0.1590, 0.3559



54.4948, 0.2824, 0.1870



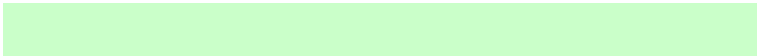
54.4948, 0.4836, 0.2785

Sweetspot

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



54.4971, 0.3030, 0.5512



88.3311, 0.3104, 0.3875



67.5151, 0.4079, 0.4816



18.6338, 0.3100, 0.3964



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.



54.4971, 0.3030, 0.5512



72.2775, 0.3013, 0.5833



55.9900, 0.2705, 0.4490



15.3453, 0.3118, 0.3532



31.0452, 0.3003, 0.5998



2.1548, 0.3011, 0.5991

Inverse Universe

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



24.8515, 0.3178, 0.1746



29.7368, 0.3180, 0.1597



21.9698, 0.4200, 0.2437



13.9265, 0.3136, 0.3059



12.1036, 0.3178, 0.1525



0.8418, 0.3183, 0.1527

Previews

White Background



This preview shows how the Yxy color 54.4948, 0.3030, 0.5512 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 54.4948, 0.3030, 0.5512 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 54.4948, 0.3030, 0.5512

Background



This preview shows how black text looks on a background with the Yxy color 54.4948, 0.3030, 0.5512.



This preview shows how white text looks on a background with the Yxy color 54.4948, 0.3030, 0.5512.

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

54.4948, 0.3030, 0.5512

Protanopia

53.5087, 0.4248, 0.4694

Deuteranopia

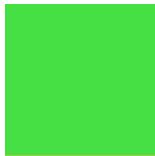
53.4154, 0.4423, 0.4328



Tritanopia

53.9275, 0.2426, 0.3064

Trichromacy



Original Color

54.4948, 0.3030, 0.5512



Protanomaly

51.8081, 0.3696, 0.5062



Deuteranomaly

50.3890, 0.3802, 0.4802



Tritanomaly

52.9024, 0.2664, 0.3949

Monochromacy



Original Color

54.4948, 0.3030, 0.5512



Achromatopsia

35.1533, 0.3127, 0.3290



Achromatomaly

39.9113, 0.3086, 0.4172

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.4948, 0.3030, 0.5512 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(70, 223, 68)` looks like.

```
.text, #text, p{  
    color:rgb(70, 223, 68)  
}
```

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(70, 223, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(70, 223, 68) }
```

Border

The CSS property to change the border of an element to Yxy 54.4948, 0.3030, 0.5512 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(70, 223, 68) }
```

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

```
.border{ border-color:rgb(70, 223, 68) }
```

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

Here you see how a box with a 4 pixel `rgb(70, 223, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(70, 223, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(70, 223, 68);  
box-shadow:4px 4px 4px 4px rgb(70, 223,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 54.4948, 0.3030, 0.5512 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(70, 223, 68) }
```

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

```
.background{ background-color: rgb(70, 223,  
68) }
```

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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