

Converting Colors

Yxy(54.4642, 0.3029, 0.5519)

Have a look what the booklet for
Yxy(54.4642, 0.3029, 0.5519)
contains.

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Color

Yxy(54.4579, 0.3026, 0.5515)

Conversions

Conversions Part 1

Format	Color
Hex	45DF44
RGB	69, 223, 68
RGB Percent	27%, 87%, 27%
CMY	0.7298, 0.1254, 0.7333
CMYK	0.69, 0.00, 0.70, 0.13
HSL	120°, 71%, 57%
HSV	120°, 70%, 87%
XYZ	29.8803, 54.4579, 14.4069
YIQ	159.2840, -42.0290, -80.8530

Conversions

Conversions Part 2

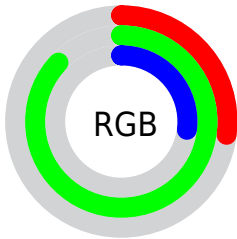
Format	Color
RYB	68, 223, 222
Decimal	4579140
CIELab	78.73, -68.33, 61.41
CIELCh	79, 91.872, 138.054
Yxy	54.4579, 0.3026, 0.5515
Android (android.graphics.Color)	4282769220 (0xFF45DF44)
YUV	159.2840, -45.0030, -79.1791
Hunter-Lab	73.7956, -56.8666, 40.0819

Details

The Yxy color **54.4579, 0.3026, 0.5515** 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 **25.0136, 0.3190, 0.1752**, and the grayscale version is **35.0215, 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 **53.5739, 0.3014, 0.5759**, and if you desaturate by 10%, it is **55.7526, 0.3041, 0.5205**.

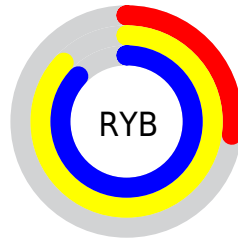
Distribution



Red (27%)

Green (87%)

Blue (27%)



Red (27%)

Yellow (87%)

Blue (87%)

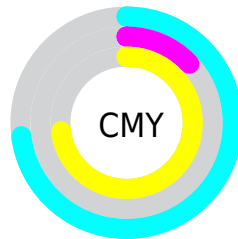


Cyan (69%)

Magenta (0%)

Yellow (70%)

Black (13%)



Cyan (73%)


Magenta (13%)

Yellow (73%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.4579, 0.3026, 0.5515 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 54.4579, 0.3026, 0.5515 by changing the saturation by 10% instead.

 54.4579, 0.3026,
0.5515


 54.4579, 0.3026,
0.5515


403.8537, 0.3159,
0.4350

 38.9679, 0.2964,
0.5805


 96.7462, 0.3096,
0.5088


 26.7347, 0.2868,
0.6169


 124.3133, 0.3115,
0.4928


 17.3741, 0.2713,
0.6630


 156.6749, 0.3129,
0.4793

 10.5016, 0.2475,
0.7266

 194.2154, 0.3139,
0.4678

 5.7328, 0.2036,
0.7964

 237.3191, 0.3147,
0.4579

 2.6833, 0.1013,
0.8987


286.3704, 0.3152,


 0.9687, 0.0000,


0.4493


1.0000


341.7539, 0.3156,
0.4417

 0.0000, 0.0000,
0.0000


 54.4579, 0.3026,
0.5515


 54.4579, 0.3026,
0.5515


 53.5739, 0.3014,
0.5759

 55.7526, 0.3041,
0.5205


 53.0456, 0.3005,
0.5918

 57.4919, 0.3057,
0.4856


 52.7989, 0.3001,
0.5996


 59.7139, 0.3074,
0.4497


 52.7893, 0.3001,
0.5999


 62.4510, 0.3089,
0.4148

 65.7324, 0.3104,
0.3824

 69.5853, 0.3117,
0.3534

 74.0353, 0.3128,
0.3278

 79.1061, 0.3137,
0.3056

 81.2611, 0.3142,
0.2980

Harmonies

Analogous

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



54.4579, 0.4081, 0.5334



54.4579, 0.3026, 0.5515



54.4579, 0.2047, 0.4542

Triad

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



54.4579, 0.3026, 0.5515



54.4579, 0.1401, 0.1700



54.4579, 0.5132, 0.3018

Complementary

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



54.4579, 0.3026, 0.5515



25.0136, 0.3190, 0.1752

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.



54.4579, 0.4070, 0.2358



54.4579, 0.3026, 0.5515



54.4579, 0.1907, 0.1639

Square

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



54.4579, 0.3026, 0.5515



54.4579, 0.1243, 0.2132



54.4579, 0.2827, 0.1870



54.4579, 0.5437, 0.3758

Rectangle

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



54.4579, 0.3026, 0.5515



54.4579, 0.1586, 0.3555



54.4579, 0.2827, 0.1870



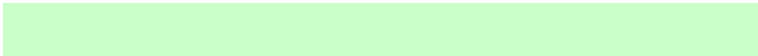
54.4579, 0.4842, 0.2786

Sweetspot

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



54.4602, 0.3026, 0.5515



88.2808, 0.3102, 0.3876



67.5183, 0.4079, 0.4816



18.6222, 0.3098, 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.



54.4602, 0.3026, 0.5515



72.2449, 0.3010, 0.5835



55.9916, 0.2705, 0.4490



15.3410, 0.3117, 0.3532



31.0376, 0.3001, 0.5999



2.1527, 0.3005, 0.5996

Inverse Universe

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



25.0136, 0.3190, 0.1752



30.0047, 0.3194, 0.1605



21.9668, 0.4200, 0.2437



13.9315, 0.3137, 0.3059



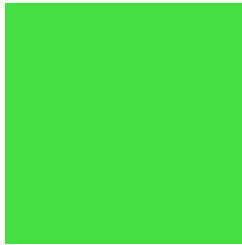
12.2402, 0.3195, 0.1534



0.8497, 0.3197, 0.1535

Previews

White Background



This preview shows how the Yxy color 54.4579, 0.3026, 0.5515 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 54.4579, 0.3026, 0.5515 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 54.4579, 0.3026, 0.5515

Background



This preview shows how black text looks on a background with the Yxy color 54.4579, 0.3026, 0.5515.

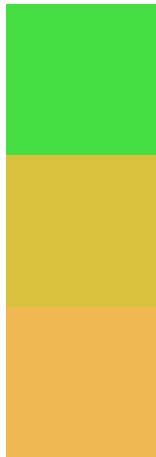


This preview shows how white text looks on a background with the Yxy color 54.4579, 0.3026, 0.5515.

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

54.4579, 0.3026, 0.5515

Protanopia

53.0651, 0.4257, 0.4686

Deuteranopia

53.4154, 0.4423, 0.4328



Tritanopia

53.9275, 0.2426, 0.3064

Trichromacy



Original Color

54.4579, 0.3026, 0.5515



Protanomaly

51.3311, 0.3702, 0.5055



Deuteranomaly

50.3890, 0.3802, 0.4802



Tritanomaly

52.9024, 0.2664, 0.3949

Monochromacy



Original Color

54.4579, 0.3026, 0.5515



Achromatopsia

34.6704, 0.3127, 0.3290



Achromatomaly

39.3979, 0.3086, 0.4178

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.4579, 0.3026, 0.5515 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(69, 223, 68)` looks like.

```
.text, #text, p{  
    color:rgb(69, 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(69, 223, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(69, 223, 68) }
```

Border

The CSS property to change the border of an element to Yxy 54.4579, 0.3026, 0.5515 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(69, 223, 68) }
```

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

```
.border{ border-color:rgb(69, 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(69, 223, 68) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(69, 223, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(69, 223, 68);  
box-shadow:4px 4px 4px 4px rgb(69, 223,  
68) }
```


Background

The CSS property to change the background color of an element to Yxy 54.4579, 0.3026, 0.5515 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(69, 223, 68) }
```

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

```
.background{ background-color: rgb(69, 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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