

Converting Colors

Yxy(50.9754, 0.3013, 0.5518)

Have a look what the booklet for
Yxy(50.9754, 0.3013, 0.5518)
contains.

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Color

Yxy(51.1090, 0.3015, 0.5521)

Conversions

Conversions Part 1

Format	Color
Hex	40D942
RGB	64, 217, 66
RGB Percent	25%, 85%, 26%
CMY	0.7491, 0.1490, 0.7410
CMYK	0.71, 0.00, 0.70, 0.15
HSL	121°, 67%, 55%
HSV	121°, 71%, 85%
XYZ	27.9105, 51.1090, 13.5525
YIQ	154.0390, -42.7170, -79.3970

Conversions

Conversions Part 2

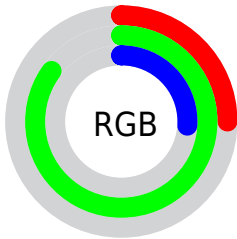
Format	Color
RYB	64, 215, 217
Decimal	4249922
CIELab	76.74, -67.43, 60.05
CIELCh	77, 90.287, 138.313
Yxy	51.1090, 0.3015, 0.5521
Android (android.graphics.Color)	4282440002 (0xFF40D942)
YUV	154.0390, -43.4032, -78.9642
Hunter-Lab	71.4906, -55.4207, 38.8037

Details

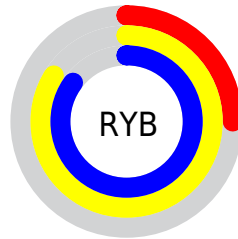
The Yxy color **51.1090, 0.3015, 0.5521** is a dark color, and the websafe version is hex **33CC33**. The color can be described as dark muted green. A complement of this color would be **23.3215, 0.3222, 0.1760**, and the grayscale version is **32.5417, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8060, 0.3102, 0.4954**, and **25.4897, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **50.3127, 0.3005, 0.5761**, and if you desaturate by 10%, it is **52.2868, 0.3028, 0.5216**.

Distribution



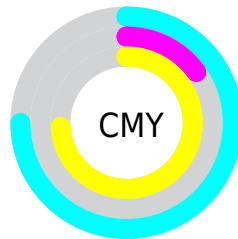
- Red (25%)
- Green (85%)
- Blue (26%)



- Red (25%)
- Yellow (84%)
- Blue (85%)



- Cyan (71%)
- Magenta (0%)
- Yellow (70%)
- Black (15%)





- Cyan (75%)
- Magenta (15%)
- Yellow (74%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 51.1090, 0.3015, 0.5521 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 51.1090, 0.3015, 0.5521 by changing the saturation by 10% instead.


 51.1090, 0.3015,
0.5521

 51.1090, 0.3015,
0.5521

390.9871, 0.3154,
0.4340


 36.2954, 0.2950,
0.5819


 91.8159, 0.3088,
0.5085


 24.6624, 0.2848,
0.6196


 118.4779, 0.3108,
0.4922


 15.8257, 0.2684,
0.6676


 149.8582, 0.3123,
0.4786

 9.4009, 0.2441,
0.7378

 186.3411, 0.3133,
0.4670

 5.0036, 0.1950,
0.8050

 228.3111, 0.3141,
0.4570

 2.2494, 0.0490,
0.9510

276.1525, 0.3147,

 0.7467, 0.0000,

0.4483

1.0000

330.2497, 0.3151,
0.4407

■ 0.0000, 0.0000,
0.0000

■ 51.1090, 0.3015,
0.5521

■ 51.1090, 0.3015,
0.5521

■ 50.3127, 0.3005,
0.5761

■ 52.2868, 0.3028,
0.5216

■ 49.8456, 0.3000,
0.5918


■ 53.8786, 0.3045,
0.4871

■ 49.6343, 0.2998,
0.5993


■ 55.9206, 0.3062,
0.4515


■ 58.4431, 0.3080,
0.4169

■ 61.4741, 0.3097,
0.3847

 65.0393, 0.3112,
0.3557

 69.1626, 0.3126,
0.3302

 73.8666, 0.3139,
0.3081

 78.1079, 0.3145,
0.2920

Harmonies

Analogous

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



51.1090, 0.4074, 0.5345



51.1090, 0.3015, 0.5521



51.1090, 0.2036, 0.4534

Triad

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



51.1090, 0.3015, 0.5521



51.1090, 0.1399, 0.1694



51.1090, 0.5145, 0.3023

Complementary

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



51.1090, 0.3015, 0.5521



23.3215, 0.3222, 0.1760

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.



51.1090, 0.4084, 0.2360



51.1090, 0.3015, 0.5521



51.1090, 0.1910, 0.1636

Square

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



51.1090, 0.3015, 0.5521



51.1090, 0.1238, 0.2122



51.1090, 0.2835, 0.1869



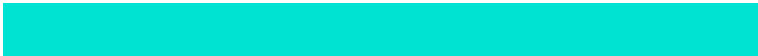
51.1090, 0.5444, 0.3764

Rectangle

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



51.1090, 0.3015, 0.5521



51.1090, 0.1577, 0.3542



51.1090, 0.2835, 0.1869



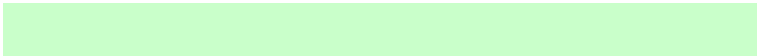
51.1090, 0.4857, 0.2790

Sweetspot

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



51.1111, 0.3015, 0.5521



88.2721, 0.3096, 0.3868



64.7503, 0.4069, 0.4847



18.6202, 0.3091, 0.3955



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.



51.1111, 0.3015, 0.5521



72.0980, 0.3002, 0.5855



52.6255, 0.2691, 0.4467



14.6091, 0.3114, 0.3528



30.0459, 0.2997, 0.5991



1.9475, 0.2990, 0.5963

Inverse Universe

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



23.3215, 0.3222, 0.1760



29.6968, 0.3235, 0.1614



20.3255, 0.4263, 0.2460



13.2717, 0.3140, 0.3063



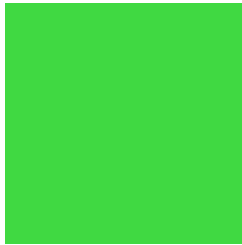
11.8732, 0.3243, 0.1560



0.7702, 0.3237, 0.1557

Previews

White Background



This preview shows how the Yxy color 51.1090, 0.3015, 0.5521 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 51.1090, 0.3015, 0.5521 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 51.1090, 0.3015, 0.5521

Background



This preview shows how black text looks on a background with the Yxy color 51.1090, 0.3015, 0.5521.

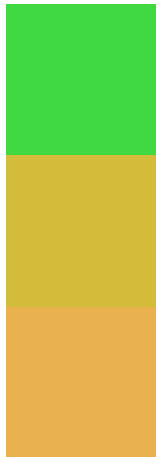


This preview shows how white text looks on a background with the Yxy color 51.1090, 0.3015, 0.5521.

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

51.1090, 0.3015, 0.5521

Protanopia

49.9736, 0.4254, 0.4690

Deuteranopia

49.7289, 0.4430, 0.4325



Tritanopia

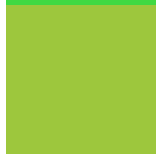
50.8905, 0.2419, 0.3071

Trichromacy



Original Color

51.1090, 0.3015, 0.5521



Protanomaly

48.3519, 0.3686, 0.5067



Deuteranomaly

46.9643, 0.3799, 0.4809



Tritanomaly

49.9802, 0.2657, 0.3967

Monochromacy



Original Color

51.1090, 0.3015, 0.5521



Achromatopsia

32.3143, 0.3127, 0.3290



Achromatomaly

36.9144, 0.3077, 0.4188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.1090, 0.3015, 0.5521 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(64, 217, 66)` looks like.

```
.text, #text, p{  
    color:rgb(64, 217, 66)  
}
```

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(64, 217, 66) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(64, 217, 66) }
```

Border

The CSS property to change the border of an element to Yxy 51.1090, 0.3015, 0.5521 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(64, 217, 66) }
```

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

```
.border{ border-color:rgb(64, 217, 66) }
```

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

Here you see how a box with a 4 pixel `rgb(64, 217, 66)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(64, 217, 66); -webkit-box-  
shadow:4px 4px 4px 4px rgb(64, 217, 66);  
box-shadow:4px 4px 4px 4px rgb(64, 217,  
66) }
```


Background

The CSS property to change the background color of an element to Yxy 51.1090, 0.3015, 0.5521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(64, 217, 66) }
```

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

```
.background{ background-color: rgb(64, 217,  
66) }
```

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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