

Converting Colors

$Y_{xy}(66.0070, 0.2979, 0.5552)$

Have a look what the booklet for
Yxy(66.0070, 0.2979, 0.5552)
contains.

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Color

Yxy(66.2015, 0.2979, 0.5549)

Conversions

Conversions Part 1

Format	Color
Hex	3DF44B
RGB	61, 244, 75
RGB Percent	24%, 96%, 29%
CMY	0.7612, 0.0431, 0.7059
CMYK	0.75, 0.00, 0.69, 0.04
HSL	125°, 89%, 60%
HSV	125°, 75%, 96%
XYZ	35.5405, 66.2015, 17.5615
YIQ	170.0170, -54.8190, -91.3550

Conversions

Conversions Part 2

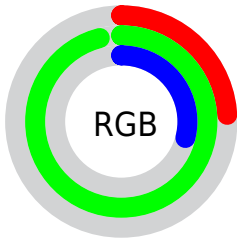
Format	Color
RYB	61, 231, 244
Decimal	4060235
CIELab	85.10, -75.55, 65.44
CIELCh	85, 99.955, 139.102
Yxy	66.2015, 0.2979, 0.5549
Android (android.graphics.Color)	4282250315 (0xFF3DF44B)
YUV	170.0170, -46.8434, -95.6079
Hunter-Lab	81.3643, -64.4175, 44.1580

Details

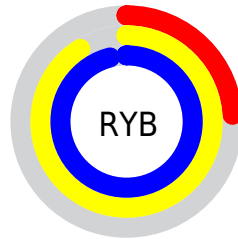
The Yxy color **66.2015, 0.2979, 0.5549** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **28.2694, 0.3350, 0.1778**, and the grayscale version is **40.4531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3368, 0.3070, 0.4819**, and **35.1178, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **65.3437, 0.2979, 0.5772**, and if you desaturate by 10%, it is **67.5256, 0.2986, 0.5264**.

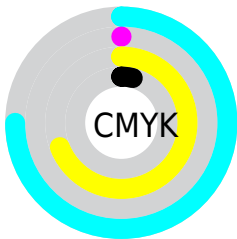
Distribution



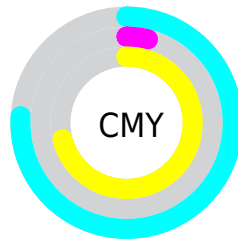
- Red (24%)
- Green (96%)
- Blue (29%)



- Red (24%)
- Yellow (91%)
- Blue (96%)



- Cyan (75%)
- Magenta (0%)
- Yellow (69%)
- Black (4%)





- Cyan (76%)
- Magenta (4%)
- Yellow (71%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.2015, 0.2979, 0.5549 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 66.2015, 0.2979, 0.5549 by changing the saturation by 10% instead.


 66.2015, 0.2979,
0.5549


 66.2015, 0.2979,
0.5549


447.0972, 0.3134,
0.4400


 48.4360, 0.2916,
0.5825


 113.7755, 0.3054,
0.5136


 34.1723, 0.2823,
0.6166


 144.3528, 0.3077,
0.4979

 23.0260, 0.2680,
0.6593


 179.9694, 0.3094,
0.4846

 14.6127, 0.2456,
0.7125

 221.0098, 0.3106,
0.4731

 8.5480, 0.2123,
0.7877

 267.8584, 0.3116,
0.4632

 4.4476, 0.1519,
0.8481

320.8996, 0.3123,

 1.9269, 0.0000,

0.4545

1.0000

380.5177, 0.3129,
0.4468

0.5645, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

66.2015, 0.2979,
0.5549

66.2015, 0.2979,
0.5549

65.3437, 0.2979,
0.5772

67.5256, 0.2986,
0.5264


64.8797, 0.2986,
0.5917

69.3604, 0.3000,
0.4938


64.7536, 0.2989,
0.5962


71.7541, 0.3020,
0.4598

74.7474, 0.3043,
0.4263

 78.3769, 0.3067,
0.3948

 82.6764, 0.3092,
0.3661

 87.6773, 0.3116,
0.3406

 93.1873, 0.3132,
0.3185

Harmonies

Analogous

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



66.2015, 0.4050, 0.5386



66.2015, 0.2979, 0.5549



66.2015, 0.1997, 0.4517

Triad

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



66.2015, 0.2979, 0.5549



66.2015, 0.1389, 0.1669



66.2015, 0.5195, 0.3034

Complementary

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



66.2015, 0.2979, 0.5549



28.2694, 0.3350, 0.1778

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.



66.2015, 0.4132, 0.2364



66.2015, 0.2979, 0.5549



66.2015, 0.1913, 0.1620

Square

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



66.2015, 0.2979, 0.5549



66.2015, 0.1218, 0.2088



66.2015, 0.2860, 0.1863



66.2015, 0.5469, 0.3782

Rectangle

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



66.2015, 0.2979, 0.5549



66.2015, 0.1542, 0.3505



66.2015, 0.2860, 0.1863



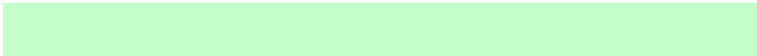
66.2015, 0.4909, 0.2799

Sweetspot

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



66.2042, 0.2979, 0.5549



87.5136, 0.3072, 0.3888



82.1659, 0.4017, 0.4970



18.3913, 0.3063, 0.3997



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.



66.2042, 0.2979, 0.5549



71.9088, 0.2982, 0.5857



68.4005, 0.2632, 0.4387



18.4927, 0.3105, 0.3515



35.2137, 0.2986, 0.5950



3.1020, 0.2953, 0.5832

Inverse Universe

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



28.2694, 0.3350, 0.1778



28.1100, 0.3392, 0.1675



24.4623, 0.4578, 0.2561



16.7450, 0.3150, 0.3074



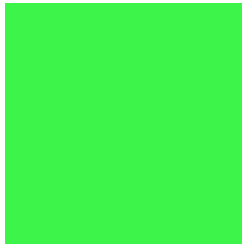
13.4292, 0.3413, 0.1654



1.1867, 0.3384, 0.1638

Previews

White Background



This preview shows how the Yxy color 66.2015, 0.2979, 0.5549 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 66.2015, 0.2979, 0.5549 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

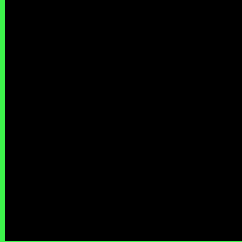
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 66.2015, 0.2979, 0.5549

Background



This preview shows how black text looks on a background with the Yxy color 66.2015, 0.2979, 0.5549.

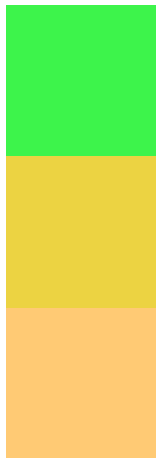


This preview shows how white text looks on a background with the Yxy color 66.2015, 0.2979, 0.5549.

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

66.2015, 0.2979, 0.5549

Protanopia

64.8147, 0.4258, 0.4688

Deuteranopia

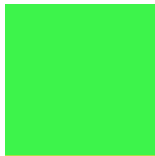
64.7620, 0.4204, 0.4156



Tritanopia

65.7180, 0.2396, 0.3068

Trichromacy



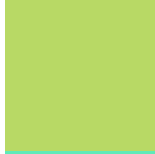
Original Color

66.2015, 0.2979, 0.5549



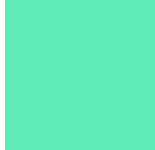
Protanomaly

61.9757, 0.3655, 0.5093



Deuteranomaly

60.7556, 0.3631, 0.4701



Tritanomaly

64.7392, 0.2623, 0.3969

Monochromacy



Original Color

66.2015, 0.2979, 0.5549



Achromatopsia

40.1978, 0.3127, 0.3290



Achromatomaly

46.4276, 0.3047, 0.4217

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.2015, 0.2979, 0.5549 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(61, 244, 75)` looks like.

```
.text, #text, p{  
    color:rgb(61, 244, 75)  
}
```

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(61, 244, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 244, 75) }
```

Border

The CSS property to change the border of an element to Yxy 66.2015, 0.2979, 0.5549 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(61, 244, 75) }
```

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

```
.border{ border-color:rgb(61, 244, 75) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 244, 75)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 244, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 244, 75);  
box-shadow:4px 4px 4px 4px rgb(61, 244,  
75) }
```


Background

The CSS property to change the background color of an element to Yxy 66.2015, 0.2979, 0.5549 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 244, 75) }
```

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

```
.background{ background-color: rgb(61, 244,  
75) }
```

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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