

Converting Colors

Yxy(66.9411, 0.2958, 0.5480)

Have a look what the booklet for
Yxy(66.9411, 0.2958, 0.5480)
contains.

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Color

Yxy(66.9061, 0.2959, 0.5484)

Conversions

Conversions Part 1

Format	Color
Hex	3DF552
RGB	61, 245, 82
RGB Percent	24%, 96%, 32%
CMY	0.7607, 0.0392, 0.6784
CMYK	0.75, 0.00, 0.67, 0.04
HSL	127°, 90%, 60%
HSV	127°, 75%, 96%
XYZ	36.1005, 66.9061, 18.9958
YIQ	171.4020, -57.3410, -89.7010

Conversions

Conversions Part 2

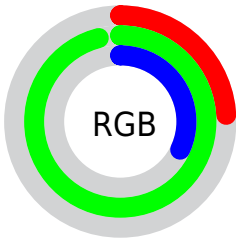
Format	Color
R _{YB}	61, 226, 245
Decimal	4060498
CIE Lab	85.46, -75.21, 63.17
CIE LCh	85, 98.222, 139.973
Yxy	66.9061, 0.2959, 0.5484
Android (android.graphics.Color)	4282250578 (0xFF3DF552)
YUV	171.4020, -44.0752, -96.8226
Hunter-Lab	81.7961, -64.3628, 43.4882

Details

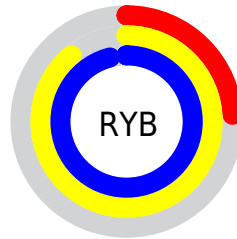
The Yxy color **66.9061, 0.2959, 0.5484** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed green. A complement of this color would be **28.1335, 0.3425, 0.1826**, and the grayscale version is **41.1886, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.5059, 0.3044, 0.4747**, and **35.5751, 0.2986, 0.5948** is the 20% darker color. If you saturate the color by 10%, you get **66.0209, 0.2963, 0.5716**, and if you desaturate by 10%, it is **68.2561, 0.2964, 0.5197**.

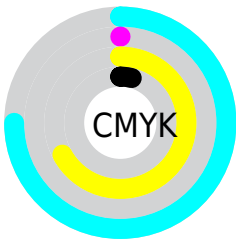
Distribution



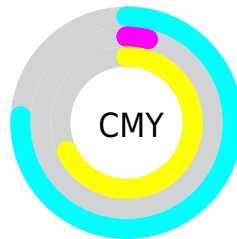
- Red (24%)
- Green (96%)
- Blue (32%)



- Red (24%)
- Yellow (89%)
- Blue (96%)



- Cyan (75%)
- Magenta (0%)
- Yellow (67%)
- Black (4%)





- Cyan (76%)
- Magenta (4%)
- Yellow (68%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 66.9061, 0.2959, 0.5484 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 66.9061, 0.2959, 0.5484 by changing the saturation by 10% instead.


 66.9061, 0.2959,
0.5484


 66.9061, 0.2959,
0.5484


449.6105, 0.3117,
0.4368

 49.0083, 0.2898,
0.5753

 114.7859, 0.3033,
0.5082


 34.6261, 0.2808,
0.6088


 145.5366, 0.3056,
0.4930

 23.3750, 0.2671,
0.6509


 181.3405, 0.3074,
0.4800

 14.8706, 0.2456,
0.7039

 222.5819, 0.3087,
0.4689

 8.7286, 0.2153,
0.7847

269.6452, 0.3097,
0.4592

 4.5646, 0.1558,
0.8442

322.9148, 0.3105,

 1.9941, 0.0000,

0.4508

1.0000

382.7751, 0.3112,
0.4434

0.6041, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

66.9061, 0.2959,
0.5484

66.9061, 0.2959,
0.5484

66.0209, 0.2963,
0.5716

68.2561, 0.2964,
0.5197


65.5292, 0.2975,
0.5878


70.1142, 0.2978,
0.4878


65.3908, 0.2981,
0.5932


72.5279, 0.2999,
0.4547

75.5372, 0.3025,
0.4224

 79.1782, 0.3054,
0.3922

 83.4840, 0.3084,
0.3647

 88.4857, 0.3113,
0.3403

 93.7871, 0.3132,
0.3194

Harmonies

Analogous

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



66.9061, 0.4016, 0.5368



66.9061, 0.2959, 0.5484



66.9061, 0.1997, 0.4447

Triad

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



66.9061, 0.2959, 0.5484



66.9061, 0.1424, 0.1689



66.9061, 0.5174, 0.3064

Complementary

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



66.9061, 0.2959, 0.5484



28.1335, 0.3425, 0.1826

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.



66.9061, 0.4150, 0.2397



66.9061, 0.2959, 0.5484



66.9061, 0.1955, 0.1648

Square

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



66.9061, 0.2959, 0.5484



66.9061, 0.1245, 0.2092



66.9061, 0.2900, 0.1895



66.9061, 0.5425, 0.3807

Rectangle

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



66.9061, 0.2959, 0.5484



66.9061, 0.1555, 0.3463



66.9061, 0.2900, 0.1895



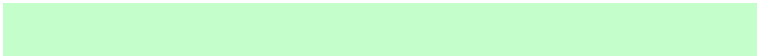
66.9061, 0.4901, 0.2831

Sweetspot

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



66.9089, 0.2959, 0.5484



87.6167, 0.3060, 0.3863



81.9107, 0.3972, 0.5002



18.4155, 0.3049, 0.3968



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.



66.9089, 0.2959, 0.5484



71.9783, 0.2968, 0.5808



69.2553, 0.2605, 0.4299



18.5028, 0.3100, 0.3506



35.2361, 0.2977, 0.5917



3.1067, 0.2932, 0.5755

Inverse Universe

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



28.1335, 0.3425, 0.1826



27.6229, 0.3488, 0.1730



24.4899, 0.4678, 0.2623



16.7338, 0.3155, 0.3083



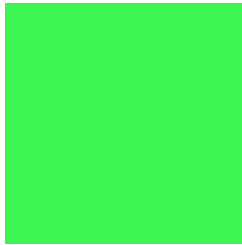
13.1709, 0.3520, 0.1713



1.1667, 0.3476, 0.1688

Previews

White Background



This preview shows how the Yxy color 66.9061, 0.2959, 0.5484 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 66.9061, 0.2959, 0.5484 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 66.9061, 0.2959, 0.5484

Background



This preview shows how black text looks on a background with the Yxy color 66.9061, 0.2959, 0.5484.

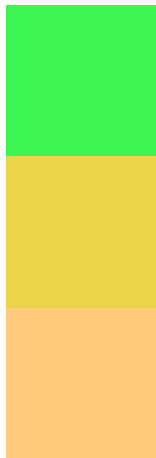


This preview shows how white text looks on a background with the Yxy color 66.9061, 0.2959, 0.5484.

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

66.9061, 0.2959, 0.5484

Protanopia

65.4009, 0.4222, 0.4654

Deuteranopia

65.3770, 0.4157, 0.4111



Tritanopia

66.3266, 0.2386, 0.3057

Trichromacy



Original Color

66.9061, 0.2959, 0.5484



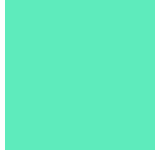
Protanomaly

62.6038, 0.3623, 0.5043



Deuteranomaly

61.3947, 0.3594, 0.4646



Tritanomaly

65.4272, 0.2603, 0.3924

Monochromacy



Original Color

66.9061, 0.2959, 0.5484



Achromatopsia

40.7240, 0.3127, 0.3290



Achromatomaly

47.0775, 0.3028, 0.4166

CSS Examples

Text

The CSS property to change the color of the text to Yxy 66.9061, 0.2959, 0.5484 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, 245, 82)` looks like.

```
.text, #text, p{  
    color:rgb(61, 245, 82)  
}
```

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, 245, 82) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(61, 245, 82) }
```

Border

The CSS property to change the border of an element to Yxy 66.9061, 0.2959, 0.5484 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, 245, 82) }
```

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

```
.border{ border-color:rgb(61, 245, 82) }
```

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

Here you see how a box with a 4 pixel `rgb(61, 245, 82)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(61, 245, 82); -webkit-box-  
shadow:4px 4px 4px 4px rgb(61, 245, 82);  
box-shadow:4px 4px 4px 4px rgb(61, 245,  
82) }
```


Background

The CSS property to change the background color of an element to Yxy 66.9061, 0.2959, 0.5484 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(61, 245, 82) }
```

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

```
.background{ background-color: rgb(61, 245,  
82) }
```

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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