

Converting Colors

$Yxy(67.1775, 0.2740, 0.4775)$

Have a look what the booklet for
Yxy(67.1775, 0.2740, 0.4775)
contains.

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Color

Yxy(67.4359, 0.2741, 0.4778)

Conversions

Conversions Part 1

Format	Color
Hex	3AF48A
RGB	58, 244, 138
RGB Percent	23%, 96%, 54%
CMY	0.7722, 0.0431, 0.4589
CMYK	0.76, 0.00, 0.43, 0.04
HSL	146°, 89%, 59%
HSV	146°, 76%, 96%
XYZ	38.6860, 67.4359, 35.0164
YIQ	176.3020, -76.8300, -72.3980

Conversions

Conversions Part 2

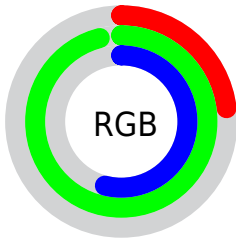
Format	Color
RYB	58, 188, 244
Decimal	3863690
CIELab	85.72, -67.92, 38.36
CIELCh	86, 78.002, 150.542
Yxy	67.4359, 0.2741, 0.4778
Android (android.graphics.Color)	4282053770 (0xFF3AF48A)
YUV	176.3020, -18.8829, -103.7509
Hunter-Lab	82.1194, -59.6184, 32.2018

Details

The Yxy color **67.4359, 0.2741, 0.4778** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **24.9528, 0.4213, 0.2309**, and the grayscale version is **43.7268, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.2758, 0.2770, 0.4050**, and **35.7897, 0.2759, 0.5133** is the 20% darker color. If you saturate the color by 10%, you get **66.4937, 0.2752, 0.4995**, and if you desaturate by 10%, it is **68.7815, 0.2749, 0.4553**.

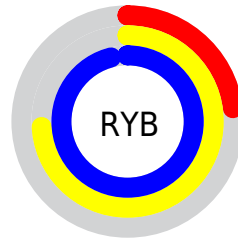
Distribution



Red (23%)

Green (96%)

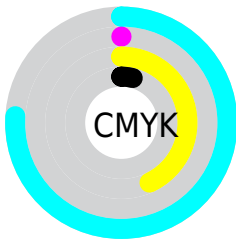
Blue (54%)



Red (23%)

Yellow (74%)

Blue (96%)

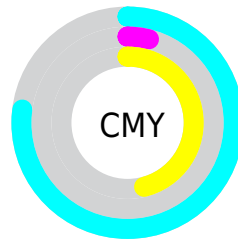


Cyan (76%)

Magenta (0%)

Yellow (43%)

Black (4%)



Cyan (77%)


Magenta (4%)


Yellow (46%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 67.4359, 0.2741, 0.4778 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 67.4359, 0.2741, 0.4778 by changing the saturation by 10% instead.

 67.4359, 0.2741,
0.4778

 67.4359, 0.2741,
0.4778


451.4948, 0.2955,
0.4021


 49.4390, 0.2682,
0.4967


 115.5448, 0.2823,
0.4502


 34.9678, 0.2604,
0.5210


 146.4255, 0.2853,
0.4398

 23.6381, 0.2496,
0.5528


 182.3696, 0.2877,
0.4311

 15.0654, 0.2340,
0.5962

 223.7615, 0.2898,
0.4236

 8.8653, 0.2101,
0.6574

270.9856, 0.2915,
0.4171

 4.6534, 0.1737,
0.7581

324.4262, 0.2930,

 2.0454, 0.0000,

0.4115

1.0000

384.4678, 0.2943,
0.4065

0.6336, 0.0000,
1.0000

0.0000, 0.0000,
0.0000

67.4359, 0.2741,
0.4778

67.4359, 0.2741,
0.4778

66.4937, 0.2752,
0.4995

68.7815, 0.2749,
0.4553


65.8909, 0.2782,
0.5195

70.5673, 0.2776,
0.4328


65.7187, 0.2796,
0.5267

72.8347, 0.2819,
0.4109


75.6181, 0.2874,
0.3902

 78.9485, 0.2938,
0.3710

 82.8545, 0.3008,
0.3535

 87.3626, 0.3081,
0.3378

 92.4977, 0.3155,
0.3239

 93.1817, 0.3132,
0.3185

Harmonies

Analogous

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



67.4359, 0.3629, 0.5074



67.4359, 0.2741, 0.4778



67.4359, 0.2007, 0.3801

Triad

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



67.4359, 0.2741, 0.4778



67.4359, 0.1824, 0.1909



67.4359, 0.4920, 0.3375

Complementary

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



67.4359, 0.2741, 0.4778



24.9528, 0.4213, 0.2309

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.



67.4359, 0.4281, 0.2756



67.4359, 0.2741, 0.4778



67.4359, 0.2410, 0.1956

Square

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



67.4359, 0.2741, 0.4778



67.4359, 0.1560, 0.2160



67.4359, 0.3301, 0.2255



67.4359, 0.4943, 0.4044

Rectangle

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



67.4359, 0.2741, 0.4778



67.4359, 0.1702, 0.3094



67.4359, 0.3301, 0.2255



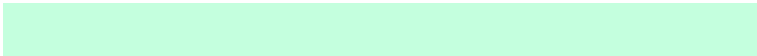
67.4359, 0.4770, 0.3161

Sweetspot

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



67.4386, 0.2741, 0.4778



88.5529, 0.2960, 0.3653



73.1735, 0.3556, 0.5314



18.6378, 0.2935, 0.3719



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.



67.4386, 0.2741, 0.4778



73.1235, 0.2765, 0.5098



71.2337, 0.2357, 0.3485



18.5903, 0.3057, 0.3428



35.7602, 0.2788, 0.5237



3.1631, 0.2720, 0.4991

Inverse Universe

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



24.9528, 0.4213, 0.2309



24.2466, 0.4521, 0.2308



22.7575, 0.5602, 0.3183



16.6409, 0.3204, 0.3156



11.5017, 0.4664, 0.2343



1.0315, 0.4431, 0.2215

Previews

White Background



This preview shows how the Yxy color 67.4359, 0.2741, 0.4778 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 67.4359, 0.2741, 0.4778 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

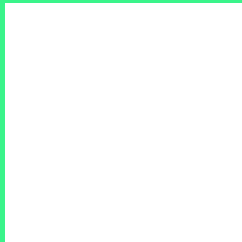
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 67.4359, 0.2741, 0.4778

Background



This preview shows how black text looks on a background with the Yxy color 67.4359, 0.2741, 0.4778.

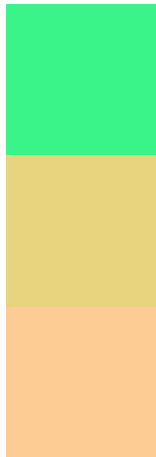


This preview shows how white text looks on a background with the Yxy color 67.4359, 0.2741, 0.4778.

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

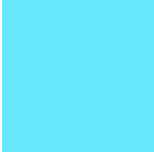
67.4359, 0.2741, 0.4778

Protanopia

65.7491, 0.3895, 0.4226

Deuteranopia

65.7326, 0.3951, 0.3864



Tritanopia

67.0572, 0.2355, 0.3057

Trichromacy



Original Color

67.4359, 0.2741, 0.4778



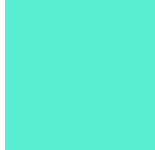
Protanomaly

63.3580, 0.3330, 0.4485



Deuteranomaly

62.1015, 0.3354, 0.4217



Tritanomaly

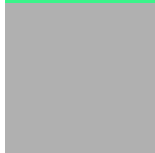
66.6691, 0.2488, 0.3643

Monochromacy



Original Color

67.4359, 0.2741, 0.4778



Achromatopsia

43.4154, 0.3127, 0.3290



Achromatomaly

49.3685, 0.2892, 0.3851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 67.4359, 0.2741, 0.4778 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(58, 244, 138)` looks like.

```
.text, #text, p{  
    color:rgb(58, 244, 138)  
}
```

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(58, 244, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 244, 138) }
```

Border

The CSS property to change the border of an element to Yxy 67.4359, 0.2741, 0.4778 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(58, 244, 138) }
```

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

```
.border{ border-color:rgb(58, 244, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 244, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 244, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 244, 138);  
box-shadow:4px 4px 4px 4px rgb(58, 244,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 67.4359, 0.2741, 0.4778 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 244, 138) }
```

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

```
.background{ background-color: rgb(58, 244,  
138) }
```

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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