

Converting Colors

$Yxy(60.6911, 0.2751, 0.4818)$

Have a look what the booklet for
Yxy(60.6911, 0.2751, 0.4818)
contains.

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Color

Yxy(60.6471, 0.2750, 0.4816)

Conversions

Conversions Part 1

Format	Color
Hex	36E981
RGB	54, 233, 129
RGB Percent	21%, 91%, 51%
CMY	0.7875, 0.0863, 0.4941
CMYK	0.77, 0.00, 0.45, 0.09
HSL	145°, 80%, 56%
HSV	145°, 77%, 91%
XYZ	34.6303, 60.6471, 30.6510
YIQ	167.6230, -73.3000, -70.2920

Conversions

Conversions Part 2

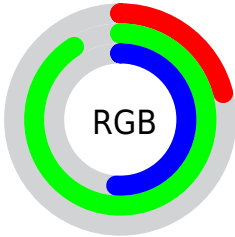
Format	Color
RYB	54, 180, 233
Decimal	3598721
CIELab	82.19, -66.11, 38.21
CIELCh	82, 76.361, 149.971
Yxy	60.6471, 0.2750, 0.4816
Android (android.graphics.Color)	4281788801 (0xFF36E981)
YUV	167.6230, -19.0411, -99.6474
Hunter-Lab	77.8762, -56.9074, 31.1777

Details

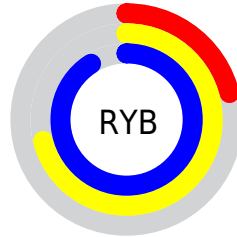
The Yxy color **60.6471, 0.2750, 0.4816** is a dark color, and the websafe version is hex **33FF99**. The color can be described as middle washed spring green. A complement of this color would be **22.4535, 0.4189, 0.2287**, and the grayscale version is **39.1131, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4509, 0.2795, 0.4185**, and **31.6007, 0.2774, 0.5187** is the 20% darker color. If you saturate the color by 10%, you get **59.8128, 0.2762, 0.5035**, and if you desaturate by 10%, it is **61.8428, 0.2757, 0.4588**.

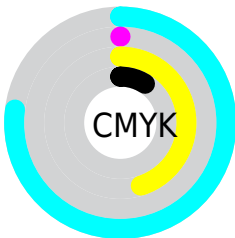
Distribution



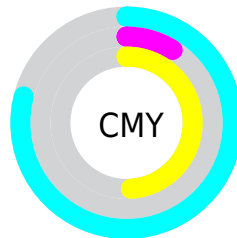
- Red (21%)
- Green (91%)
- Blue (51%)



- Red (21%)
- Yellow (71%)
- Blue (91%)



- Cyan (77%)
- Magenta (0%)
- Yellow (45%)
- Black (9%)




- Cyan (79%)
- Magenta (9%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.6471, 0.2750, 0.4816 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 60.6471, 0.2750, 0.4816 by changing the saturation by 10% instead.


 60.6471, 0.2750,
0.4816


 60.6471, 0.2750,
0.4816


426.9789, 0.2965,
0.4026


 43.9404, 0.2689,
0.5018

 105.7678, 0.2834,
0.4524

 30.6237, 0.2606,
0.5279


 134.9506, 0.2864,
0.4416

 20.3125, 0.2490,
0.5626


 169.0609, 0.2888,
0.4325

 12.6224, 0.2317,
0.6105

 208.4831, 0.2909,
0.4247

 7.1690, 0.2045,
0.6791

253.6017, 0.2926,
0.4180

 3.5680, 0.1680,
0.8314

304.8008, 0.2941,

 1.4350, 0.0000,

0.4122

1.0000

362.4651, 0.2954,
0.4071

■ 0.2423, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.6471, 0.2750,
0.4816

■ 60.6471, 0.2750,
0.4816

■ 59.8128, 0.2762,
0.5035

■ 61.8428, 0.2757,
0.4588


■ 59.2813, 0.2793,
0.5236


■ 63.4333, 0.2782,
0.4359


■ 59.1471, 0.2805,
0.5297


■ 65.4559, 0.2823,
0.4135

■ 67.9414, 0.2877,
0.3924

 70.9178, 0.2939,
0.3728

 74.4110, 0.3007,
0.3549

 78.4446, 0.3078,
0.3388

 83.0411, 0.3151,
0.3245

 86.4974, 0.3162,
0.3116

Harmonies

Analogous

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



60.6471, 0.3649, 0.5096



60.6471, 0.2750, 0.4816



60.6471, 0.2004, 0.3829

Triad

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



60.6471, 0.2750, 0.4816



60.6471, 0.1801, 0.1895



60.6471, 0.4938, 0.3361

Complementary

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



60.6471, 0.2750, 0.4816



22.4535, 0.4189, 0.2287

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.



60.6471, 0.4280, 0.2738



60.6471, 0.2750, 0.4816



60.6471, 0.2386, 0.1938

Square

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



60.6471, 0.2750, 0.4816



60.6471, 0.1541, 0.2154



60.6471, 0.3283, 0.2235



60.6471, 0.4970, 0.4035

Rectangle

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



60.6471, 0.2750, 0.4816



60.6471, 0.1691, 0.3108



60.6471, 0.3283, 0.2235



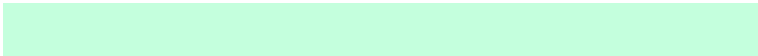
60.6471, 0.4782, 0.3145

Sweetspot

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



60.6496, 0.2750, 0.4816



88.5174, 0.2963, 0.3661



65.8622, 0.3555, 0.5321



18.6293, 0.2939, 0.3728



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.



60.6496, 0.2750, 0.4816



72.9944, 0.2778, 0.5152



64.1313, 0.2356, 0.3486



16.9667, 0.3059, 0.3430



33.5865, 0.2797, 0.5268



2.6561, 0.2720, 0.4993

Inverse Universe

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



22.4535, 0.4189, 0.2287



24.2033, 0.4498, 0.2288



20.4096, 0.5617, 0.3184



15.2010, 0.3202, 0.3154



10.8558, 0.4614, 0.2315



0.8716, 0.4366, 0.2179

Previews

White Background



This preview shows how the Yxy color 60.6471, 0.2750, 0.4816 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 60.6471, 0.2750, 0.4816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

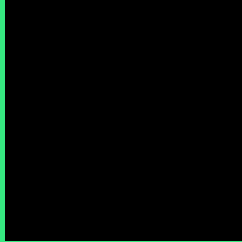
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.6471, 0.2750, 0.4816

Background



This preview shows how black text looks on a background with the Yxy color 60.6471, 0.2750, 0.4816.

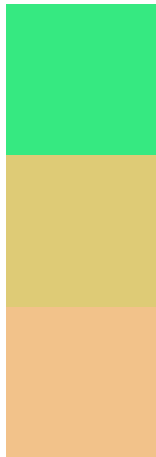


This preview shows how white text looks on a background with the Yxy color 60.6471, 0.2750, 0.4816.

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

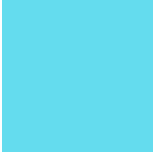
60.6471, 0.2750, 0.4816

Protanopia

59.5495, 0.3909, 0.4252

Deuteranopia

59.2958, 0.3978, 0.3899



Tritanopia

60.0688, 0.2357, 0.3059

Trichromacy



Original Color

60.6471, 0.2750, 0.4816



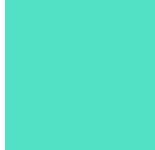
Protanomaly

57.0753, 0.3340, 0.4511



Deuteranomaly

55.8597, 0.3372, 0.4244



Tritanomaly

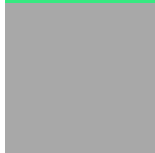
59.7666, 0.2492, 0.3661

Monochromacy



Original Color

60.6471, 0.2750, 0.4816



Achromatopsia

39.1572, 0.3127, 0.3290



Achromatomaly

44.5444, 0.2898, 0.3860

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.6471, 0.2750, 0.4816 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(54, 233, 129)` looks like.

```
.text, #text, p{  
    color:rgb(54, 233, 129)  
}
```

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(54, 233, 129) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(54, 233, 129) }
```

Border

The CSS property to change the border of an element to Yxy 60.6471, 0.2750, 0.4816 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(54, 233, 129) }
```

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

```
.border{ border-color:rgb(54, 233, 129) }
```

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

Here you see how a box with a 4 pixel `rgb(54, 233, 129)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(54, 233, 129); -webkit-box-  
shadow:4px 4px 4px 4px rgb(54, 233, 129);  
box-shadow:4px 4px 4px 4px rgb(54, 233,  
129) }
```


Background

The CSS property to change the background color of an element to Yxy 60.6471, 0.2750, 0.4816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(54, 233, 129) }
```

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

```
.background{ background-color: rgb(54, 233,  
129) }
```

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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