

Converting Colors

Yxy(64.4787, 0.2809, 0.5154)

Have a look what the booklet for
Yxy(64.4787, 0.2809, 0.5154)
contains.

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Color

Yxy(64.4677, 0.2810, 0.5161)

Conversions

Conversions Part 1

Format	Color
Hex	27F16E
RGB	39, 241, 110
RGB Percent	15%, 95%, 43%
CMY	0.8479, 0.0549, 0.5686
CMYK	0.84, 0.00, 0.54, 0.05
HSL	141°, 88%, 55%
HSV	141°, 84%, 95%
XYZ	35.1006, 64.4677, 25.3449
YIQ	165.6680, -78.3410, -83.5650

Conversions

Conversions Part 2

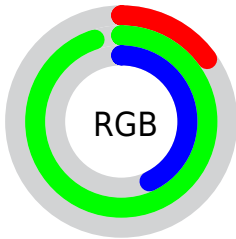
Format	Color
R_{YB}	39, 188, 241
Decimal	2617710
CIE _{Lab}	84.21, -73.21, 49.74
CIE _{LCh}	84, 88.510, 145.804
Yxy	64.4677, 0.2810, 0.5161
Android (android.graphics.Color)	4280807790 (0xFF27F16E)
YUV	165.6680, -27.4443, -111.0878
Hunter-Lab	80.2918, -62.4770, 37.4888

Details

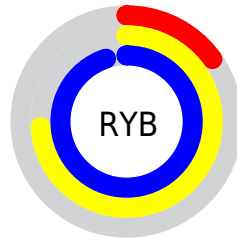
The Yxy color **64.4677, 0.2810, 0.5161** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **23.0355, 0.4122, 0.2146**, and the grayscale version is **38.1001, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3379, 0.2862, 0.4441**, and **34.1624, 0.2880, 0.5567** is the 20% darker color. If you saturate the color by 10%, you get **63.8313, 0.2837, 0.5375**, and if you desaturate by 10%, it is **65.4670, 0.2800, 0.4923**.

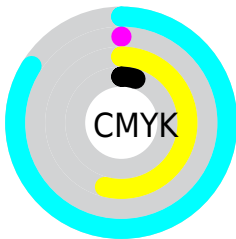
Distribution



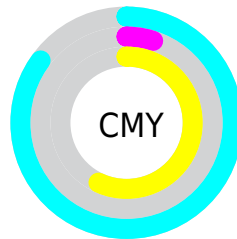
- Red (15%)
- Green (95%)
- Blue (43%)



- Red (15%)
- Yellow (74%)
- Blue (95%)



- Cyan (84%)
- Magenta (0%)
- Yellow (54%)
- Black (5%)



- Cyan (85%)
- Magenta (5%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 64.4677, 0.2810, 0.5161 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 64.4677, 0.2810, 0.5161 by changing the saturation by 10% instead.


 64.4677, 0.2810,
0.5161


 64.4677, 0.2810,
0.5161


440.8766, 0.3013,
0.4197


 47.0296, 0.2746,
0.5403


 111.2842, 0.2894,
0.4808


 33.0590, 0.2658,
0.5710


 141.4314, 0.2922,
0.4676


 22.1717, 0.2530,
0.6110


 176.5838, 0.2945,
0.4565

 13.9831, 0.2336,
0.6642

 217.1257, 0.2964,
0.4470

 8.1089, 0.2032,
0.7380

 263.4415, 0.2979,
0.4387

 4.1647, 0.1544,
0.8456

315.9157, 0.2993,

 1.7661, 0.0000,

0.4316

1.0000

374.9326, 0.3004,
0.4253

■ 0.4659, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 64.4677, 0.2810,
0.5161

■ 64.4677, 0.2810,
0.5161

■ 63.8313, 0.2837,
0.5375


■ 65.4670, 0.2800,
0.4923

■ 63.5709, 0.2859,
0.5492


■ 66.8733, 0.2809,
0.4671


■ 68.7322, 0.2834,
0.4417


■ 71.0810, 0.2873,
0.4170

 73.9531, 0.2923,
0.3937

 77.3787, 0.2979,
0.3721

 81.3859, 0.3040,
0.3527

 86.0005, 0.3103,
0.3352

 91.1127, 0.3161,
0.3198

Harmonies

Analogous

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



64.4677, 0.3803, 0.5295



64.4677, 0.2810, 0.5161



64.4677, 0.1954, 0.4082

Triad

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



64.4677, 0.2810, 0.5161



64.4677, 0.1604, 0.1766



64.4677, 0.5111, 0.3236

Complementary

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



64.4677, 0.2810, 0.5161



23.0355, 0.4122, 0.2146

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.



64.4677, 0.4283, 0.2580



64.4677, 0.2810, 0.5161



64.4677, 0.2183, 0.1778

Square

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



64.4677, 0.2810, 0.5161



64.4677, 0.1372, 0.2083



64.4677, 0.3137, 0.2063



64.4677, 0.5217, 0.3958

Rectangle

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



64.4677, 0.2810, 0.5161



64.4677, 0.1585, 0.3223



64.4677, 0.3137, 0.2063



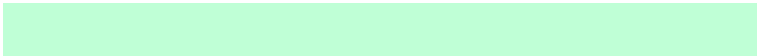
64.4677, 0.4905, 0.3008

Sweetspot

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



64.4703, 0.2810, 0.5161



87.4684, 0.2972, 0.3746



71.6347, 0.3636, 0.5376



18.4181, 0.2952, 0.3820



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.



64.4703, 0.2810, 0.5161



72.2546, 0.2860, 0.5497



68.0316, 0.2388, 0.3692



17.7483, 0.3068, 0.3447



34.4926, 0.2851, 0.5462



2.8877, 0.2777, 0.5196

Inverse Universe

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



23.0355, 0.4122, 0.2146



23.9842, 0.4375, 0.2184



20.5718, 0.5746, 0.3105



15.9314, 0.3192, 0.3138



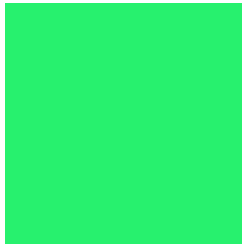
11.4717, 0.4347, 0.2168



0.9731, 0.4158, 0.2064

Previews

White Background



This preview shows how the Yxy color 64.4677, 0.2810, 0.5161 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 64.4677, 0.2810, 0.5161 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

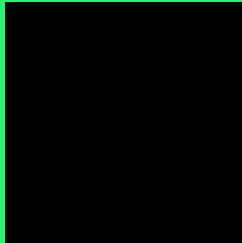
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 64.4677, 0.2810, 0.5161

Background



This preview shows how black text looks on a background with the Yxy color 64.4677, 0.2810, 0.5161.

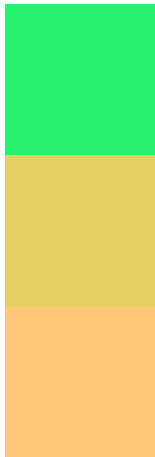


This preview shows how white text looks on a background with the Yxy color 64.4677, 0.2810, 0.5161.

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

64.4677, 0.2810, 0.5161

Protanopia

62.8356, 0.4069, 0.4451

Deuteranopia

62.6513, 0.4176, 0.4079



Tritanopia

64.2401, 0.2347, 0.3064

Trichromacy



Original Color

64.4677, 0.2810, 0.5161



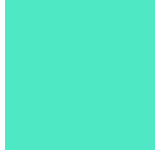
Protanomaly

59.6393, 0.3423, 0.4799



Deuteranomaly

58.4914, 0.3479, 0.4528



Tritanomaly

63.3184, 0.2505, 0.3780

Monochromacy



Original Color

64.4677, 0.2810, 0.5161



Achromatopsia

38.1326, 0.3127, 0.3290



Achromatomaly

44.2083, 0.2903, 0.4010

CSS Examples

Text

The CSS property to change the color of the text to Yxy 64.4677, 0.2810, 0.5161 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(39, 241, 110)` looks like.

```
.text, #text, p{  
    color:rgb(39, 241, 110)  
}
```

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(39, 241, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(39, 241, 110) }
```

Border

The CSS property to change the border of an element to Yxy 64.4677, 0.2810, 0.5161 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(39, 241, 110) }
```

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

```
.border{ border-color:rgb(39, 241, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(39, 241, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(39, 241, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(39, 241, 110);  
box-shadow:4px 4px 4px 4px rgb(39, 241,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 64.4677, 0.2810, 0.5161 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(39, 241, 110) }
```

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

```
.background{ background-color: rgb(39, 241,  
110) }
```

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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