

Converting Colors

$Y_{xy}(60.6675, 0.2785, 0.5228)$

Have a look what the booklet for
Yxy(60.6675, 0.2785, 0.5228)
contains.

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Color

Yxy(60.4161, 0.2784, 0.5223)

Conversions

Conversions Part 1

Format	Color
Hex	00EB68
RGB	0, 235, 104
RGB Percent	0%, 92%, 41%
CMY	1.0000, 0.0784, 0.5922
CMYK	1.00, 0.00, 0.56, 0.08
HSL	147°, 100%, 46%
HSV	147°, 100%, 92%
XYZ	32.2034, 60.4161, 23.0537
YIQ	149.8010, -98.0090, -90.5610

Conversions

Conversions Part 2

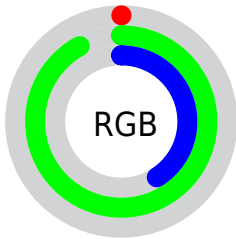
Format	Color
RYB	0, 163, 235
Decimal	60264
CIELab	82.06, -74.12, 49.87
CIELCh	82, 89.335, 146.065
Yxy	60.4161, 0.2784, 0.5223
Android (android.graphics.Color)	4278250344 (0xFF00EB68)
YUV	149.8010, -22.5799, -131.3755
Hunter-Lab	77.7278, -62.0693, 36.8243

Details

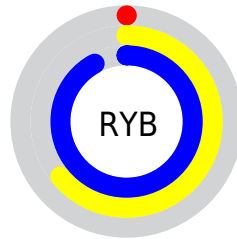
The Yxy color **60.4161, 0.2784, 0.5223** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **19.3031, 0.4745, 0.2387**, and the grayscale version is **30.5399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3681, 0.2842, 0.4536**, and **31.6833, 0.2894, 0.5619** is the 20% darker color. If you saturate the color by 10%, you get **60.4202, 0.2784, 0.5223**, and if you desaturate by 10%, it is **60.8956, 0.2750, 0.5031**.

Distribution



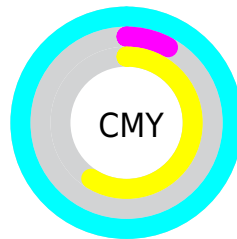
- Red (0%)
- Green (92%)
- Blue (41%)



- Red (0%)
- Yellow (64%)
- Blue (92%)



- Cyan (100%)
- Magenta (0%)
- Yellow (56%)
- Black (8%)





- Cyan (100%)
- Magenta (8%)
- Yellow (59%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 60.4161, 0.2784, 0.5223 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 60.4161, 0.2784, 0.5223 by changing the saturation by 10% instead.

 60.4161, 0.2784,
0.5223


 60.4161, 0.2784,
0.5223


426.1298, 0.3005,
0.4215


 43.7541, 0.2714,
0.5479


 105.4330, 0.2875,
0.4851


 30.4772, 0.2616,
0.5807


 134.5568, 0.2906,
0.4713


 20.2011, 0.2474,
0.6235


 168.6032, 0.2931,
0.4597

 12.5413, 0.2256,
0.6807

 207.9568, 0.2952,
0.4497

 7.1135, 0.1929,
0.7663

 253.0018, 0.2968,
0.4412

 3.5332, 0.1266,
0.8734

304.1227, 0.2982,

 1.4160, 0.0000,

0.4338

1.0000

361.7039, 0.2994,
0.4272

■ 0.2285, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 60.4161, 0.2784,
0.5223

■ 60.4161, 0.2784,
0.5223

■ 60.4202, 0.2784,
0.5223

■ 60.8956, 0.2750,
0.5031

■ 61.6422, 0.2733,
0.4823

■ 62.7339, 0.2734,
0.4605

■ 64.2146, 0.2756,
0.4384

■ 66.1212, 0.2794,
0.4168

■ 68.4864, 0.2846,
0.3961

■ 71.3394, 0.2908,
0.3768

■ 74.7070, 0.2978,
0.3592

■ 78.6140, 0.3052,
0.3432

Harmonies

Analogous

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



60.4161, 0.3799, 0.5355



60.4161, 0.2784, 0.5223



60.4161, 0.1913, 0.4095

Triad

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



60.4161, 0.2784, 0.5223



60.4161, 0.1572, 0.1728



60.4161, 0.5175, 0.3232

Complementary

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



60.4161, 0.2784, 0.5223



19.3031, 0.4745, 0.2387

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.



60.4161, 0.4328, 0.2565



60.4161, 0.2784, 0.5223



60.4161, 0.2164, 0.1745

Square

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



60.4161, 0.2784, 0.5223



60.4161, 0.1333, 0.2044



60.4161, 0.3145, 0.2038



60.4161, 0.5268, 0.3967

Rectangle

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



60.4161, 0.2784, 0.5223



60.4161, 0.1541, 0.3204



60.4161, 0.3145, 0.2038



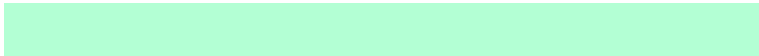
60.4161, 0.4966, 0.3000

Sweetspot

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



60.4202, 0.2784, 0.5223



85.8152, 0.2907, 0.3771



64.4217, 0.3451, 0.5642



18.0417, 0.2880, 0.3851



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.



60.4202, 0.2784, 0.5223



72.7082, 0.2786, 0.5231



64.5537, 0.2305, 0.3498



16.9729, 0.3056, 0.3424



33.6488, 0.2776, 0.5193



2.6613, 0.2701, 0.4923

Inverse Universe

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



19.3031, 0.4745, 0.2387



23.2184, 0.4753, 0.2392



17.6999, 0.6346, 0.3269



15.1947, 0.3206, 0.3159



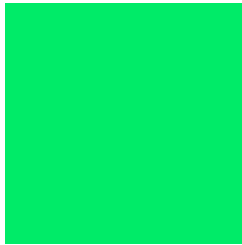
10.7683, 0.4714, 0.2370



0.8649, 0.4448, 0.2224

Previews

White Background



This preview shows how the Yxy color 60.4161, 0.2784, 0.5223 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 60.4161, 0.2784, 0.5223 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

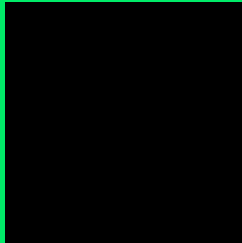
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 60.4161, 0.2784, 0.5223

Background



This preview shows how black text looks on a background with the Yxy color 60.4161, 0.2784, 0.5223.

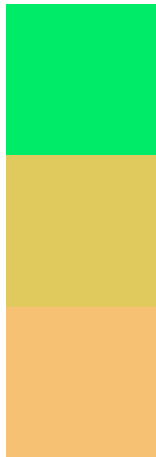


This preview shows how white text looks on a background with the Yxy color 60.4161, 0.2784, 0.5223.

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

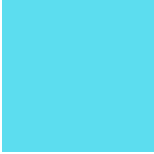
60.4161, 0.2784, 0.5223

Protanopia

58.8965, 0.4085, 0.4465

Deuteranopia

58.9706, 0.4191, 0.4107



Tritanopia

60.2202, 0.2328, 0.3058

Trichromacy



Original Color

60.4161, 0.2784, 0.5223



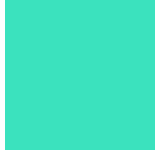
Protanomaly

54.8146, 0.3339, 0.4870



Deuteranomaly

53.4275, 0.3389, 0.4604



Tritanomaly

59.0402, 0.2464, 0.3799

Monochromacy



Original Color

60.4161, 0.2784, 0.5223



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

37.1741, 0.2810, 0.4100

CSS Examples

Text

The CSS property to change the color of the text to Yxy 60.4161, 0.2784, 0.5223 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(0, 235, 104)` looks like.

```
.text, #text, p{  
    color:rgb(0, 235, 104)  
}
```

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(0, 235, 104) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 235, 104) }
```

Border

The CSS property to change the border of an element to Yxy 60.4161, 0.2784, 0.5223 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(0, 235, 104) }
```

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

```
.border{ border-color:rgb(0, 235, 104) }
```

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

Here you see how a box with a 4 pixel rgb(0, 235, 104) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 235, 104); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 235, 104);  
box-shadow:4px 4px 4px 4px rgb(0, 235,  
104) }
```


Background

The CSS property to change the background color of an element to Yxy 60.4161, 0.2784, 0.5223 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 235, 104) }
```

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

```
.background{ background-color: rgb(0, 235,  
104) }
```

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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