

Converting Colors

$Yxy(59.5805, 0.2777, 0.5198)$

Have a look what the booklet for
Yxy(59.5805, 0.2777, 0.5198)
contains.

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Color

Yxy(59.8656, 0.2778, 0.5202)

Conversions

Conversions Part 1

Format	Color
Hex	00EA69
RGB	0, 234, 105
RGB Percent	0%, 92%, 41%
CMY	1.0000, 0.0823, 0.5881
CMYK	1.00, 0.00, 0.55, 0.08
HSL	147°, 100%, 46%
HSV	147°, 100%, 92%
XYZ	31.9697, 59.8656, 23.2465
YIQ	149.3280, -98.0550, -89.7270

Conversions

Conversions Part 2

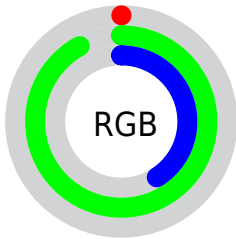
Format	Color
RYB	0, 162, 234
Decimal	60009
CIELab	81.77, -73.68, 49.03
CIELCh	82, 88.496, 146.359
Yxy	59.8656, 0.2778, 0.5202
Android (android.graphics.Color)	4278250089 (0xFF00EA69)
YUV	149.3280, -21.8537, -130.9607
Hunter-Lab	77.3729, -61.6480, 36.3474

Details

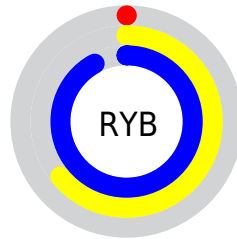
The Yxy color **59.8656, 0.2778, 0.5202** is a dark color, and the websafe version is hex **33FF66**. The color can be described as dark washed spring green. A complement of this color would be **19.0778, 0.4772, 0.2402**, and the grayscale version is **30.3294, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.3382, 0.2834, 0.4524**, and **31.2986, 0.2889, 0.5601** is the 20% darker color. If you saturate the color by 10%, you get **59.8712, 0.2778, 0.5202**, and if you desaturate by 10%, it is **60.3439, 0.2745, 0.5011**.

Distribution



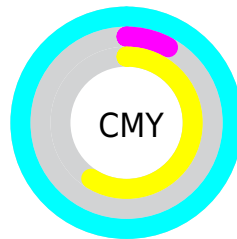
- Red (0%)
- Green (92%)
- Blue (41%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (55%)
- Black (8%)



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 59.8656, 0.2778, 0.5202 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 59.8656, 0.2778, 0.5202 by changing the saturation by 10% instead.


 59.8656, 0.2778,
0.5202

 59.8656, 0.2778,
0.5202


424.1022, 0.3000,
0.4203


 43.3103, 0.2708,
0.5457


 104.6347, 0.2870,
0.4833


 30.1287, 0.2610,
0.5783


 133.6173, 0.2901,
0.4696


 19.9363, 0.2468,
0.6210


 167.5111, 0.2926,
0.4581

 12.3487, 0.2250,
0.6783

 206.7005, 0.2947,
0.4483

 6.9816, 0.1922,
0.7638

 251.5699, 0.2964,
0.4398

 3.4506, 0.1247,
0.8753

302.5037, 0.2978,

 1.3713, 0.0000,

0.4325

1.0000

359.8864, 0.2990,
0.4260

■ 0.1954, 0.0000,
1.0000

■ 0.0000, 0.0000,
0.0000

■ 59.8656, 0.2778,
0.5202

■ 59.8656, 0.2778,
0.5202

■ 59.8712, 0.2778,
0.5202

■ 60.3439, 0.2745,
0.5011

■ 61.0843, 0.2727,
0.4805

■ 62.1655, 0.2730,
0.4589

■ 63.6308, 0.2751,
0.4371

■ 65.5170, 0.2790,
0.4157

■ 67.8560, 0.2843,
0.3953

■ 70.6768, 0.2906,
0.3763

■ 74.0059, 0.2976,
0.3588

■ 77.8677, 0.3051,
0.3431

Harmonies

Analogous

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



59.8656, 0.3789, 0.5347



59.8656, 0.2778, 0.5202



59.8656, 0.1914, 0.4077

Triad

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



59.8656, 0.2778, 0.5202



59.8656, 0.1583, 0.1734



59.8656, 0.5167, 0.3241

Complementary

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



59.8656, 0.2778, 0.5202



19.0778, 0.4772, 0.2402

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.



59.8656, 0.4331, 0.2575



59.8656, 0.2778, 0.5202



59.8656, 0.2177, 0.1753

Square

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



59.8656, 0.2778, 0.5202



59.8656, 0.1342, 0.2046



59.8656, 0.3156, 0.2048



59.8656, 0.5254, 0.3974

Rectangle

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



59.8656, 0.2778, 0.5202



59.8656, 0.1546, 0.3194



59.8656, 0.3156, 0.2048



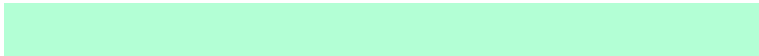
59.8656, 0.4962, 0.3010

Sweetspot

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



59.8712, 0.2778, 0.5202



85.8403, 0.2905, 0.3765



63.8048, 0.3451, 0.5642



18.0476, 0.2877, 0.3844



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.



59.8712, 0.2778, 0.5202



72.7456, 0.2781, 0.5210



63.9337, 0.2305, 0.3498



16.9746, 0.3055, 0.3423



33.6663, 0.2770, 0.5173



2.6627, 0.2696, 0.4904

Inverse Universe

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



19.0778, 0.4772, 0.2402



23.1691, 0.4781, 0.2407



17.5300, 0.6346, 0.3269



15.1930, 0.3207, 0.3161



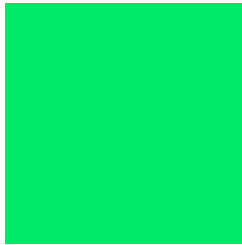
10.7456, 0.4741, 0.2385



0.8631, 0.4470, 0.2236

Previews

White Background



This preview shows how the Yxy color 59.8656, 0.2778, 0.5202 looks on a white background.

Color Contrast Check

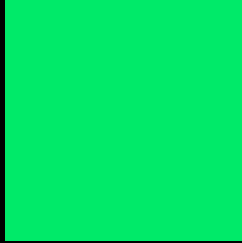
Large Text (above 18pt) WCAG AA × Fail

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 59.8656, 0.2778, 0.5202 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 59.8656, 0.2778, 0.5202

Background



This preview shows how black text looks on a background with the Yxy color 59.8656, 0.2778, 0.5202.



This preview shows how white text looks on a background with the Yxy color 59.8656, 0.2778, 0.5202.

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

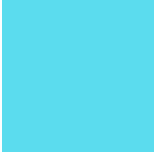
59.8656, 0.2778, 0.5202

Protanopia

58.7553, 0.4071, 0.4461

Deuteranopia

58.3727, 0.4181, 0.4091



Tritanopia

59.5836, 0.2326, 0.3057

Trichromacy



Original Color

59.8656, 0.2778, 0.5202



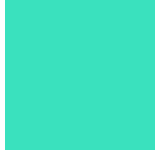
Protanomaly

54.7448, 0.3326, 0.4862



Deuteranomaly

52.8634, 0.3378, 0.4585



Tritanomaly

58.4677, 0.2458, 0.3786

Monochromacy



Original Color

59.8656, 0.2778, 0.5202



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

36.7689, 0.2808, 0.4086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 59.8656, 0.2778, 0.5202 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, 234, 105)` looks like.

```
.text, #text, p{  
    color:rgb(0, 234, 105)  
}
```

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, 234, 105) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 234, 105) }
```

Border

The CSS property to change the border of an element to Yxy 59.8656, 0.2778, 0.5202 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, 234, 105) }
```

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

```
.border{ border-color:rgb(0, 234, 105) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 234, 105)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 234, 105); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 234, 105);  
box-shadow:4px 4px 4px 4px rgb(0, 234,  
105) }
```


Background

The CSS property to change the background color of an element to Yxy 59.8656, 0.2778, 0.5202 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 234, 105) }
```

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

```
.background{ background-color: rgb(0, 234,  
105) }
```

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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