

Converting Colors

$Y_{xy}(54.4040, 0.2607, 0.5008)$

Have a look what the booklet for
Yxy(54.4040, 0.2607, 0.5008)
contains.

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Color

Yxy(55.6771, 0.2714, 0.4969)

Conversions

Conversions Part 1

Format	Color
Hex	01E275
RGB	1, 226, 117
RGB Percent	0%, 89%, 46%
CMY	0.9980, 0.1137, 0.5413
CMYK	1.00, 0.00, 0.48, 0.11
HSL	151°, 100%, 44%
HSV	151°, 100%, 89%
XYZ	30.4101, 55.6771, 25.9617
YIQ	146.2990, -99.1110, -81.5990

Conversions

Conversions Part 2

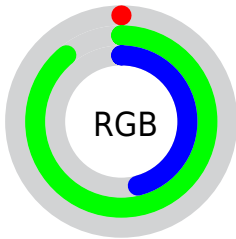
Format	Color
RYB	1, 149, 226
Decimal	123509
CIELab	79.43, -69.36, 40.52
CIELCh	79, 80.325, 149.709
Yxy	55.6771, 0.2714, 0.4969
Android (android.graphics.Color)	4278313589 (0xFF01E275)
YUV	146.2990, -14.4444, -127.4272
Hunter-Lab	74.6171, -57.8325, 31.6030

Details

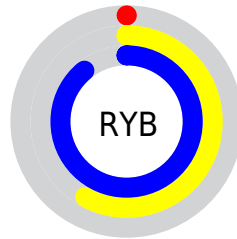
The Yxy color **55.6771, 0.2714, 0.4969** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **17.2957, 0.5052, 0.2558**, and the grayscale version is **28.8992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.6484, 0.2772, 0.4366**, and **28.7693, 0.2817, 0.5343** is the 20% darker color. If you saturate the color by 10%, you get **55.6702, 0.2715, 0.4973**, and if you desaturate by 10%, it is **56.1317, 0.2684, 0.4792**.

Distribution



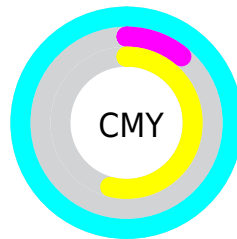
- Red (0%)
- Green (89%)
- Blue (46%)



- Red (0%)
- Yellow (58%)
- Blue (89%)



- Cyan (100%)
- Magenta (0%)
- Yellow (48%)
- Black (11%)




- Cyan (100%)
- Magenta (11%)
- Yellow (54%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.6771, 0.2714, 0.4969 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 55.6771, 0.2714, 0.4969 by changing the saturation by 10% instead.

 55.6771, 0.2714,
0.4969

 55.6771, 0.2714,
0.4969


408.4735, 0.2956,
0.4083


 39.9441, 0.2643,
0.5200


 98.5323, 0.2810,
0.4639

 27.4950, 0.2545,
0.5500


 126.4233, 0.2844,
0.4517


 17.9453, 0.2406,
0.5903


 159.1357, 0.2871,
0.4415

 10.9107, 0.2195,
0.6460

 197.0540, 0.2894,
0.4328

 6.0068, 0.1862,
0.7273

 240.5625, 0.2913,
0.4254

 2.8492, 0.1098,
0.8902

290.0457, 0.2929,

 1.0535, 0.0000,

0.4190


1.0000


345.8879, 0.2944,
0.4133


 0.0000, 0.0000,
0.0000

 55.6771, 0.2714,
0.4969


 55.6771, 0.2714,
0.4969

 55.6702, 0.2715,
0.4973

 56.1317, 0.2684,
0.4792

 56.8255, 0.2671,
0.4606

 57.8266, 0.2679,
0.4415

 59.1740, 0.2706,
0.4224

 60.9007, 0.2751,
0.4039

■ 63.0356, 0.2810,
0.3863

■ 65.6049, 0.2881,
0.3698

■ 68.6323, 0.2960,
0.3547

■ 72.1400, 0.3043,
0.3410

Harmonies

Analogous

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



55.6771, 0.3670, 0.5240



55.6771, 0.2714, 0.4969



55.6771, 0.1923, 0.3882

Triad

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



55.6771, 0.2714, 0.4969



55.6771, 0.1712, 0.1806



55.6771, 0.5078, 0.3339

Complementary

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



55.6771, 0.2714, 0.4969



17.2957, 0.5052, 0.2558

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.



55.6771, 0.4363, 0.2688



55.6771, 0.2714, 0.4969



55.6771, 0.2323, 0.1852

Square

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



55.6771, 0.2714, 0.4969



55.6771, 0.1443, 0.2073



55.6771, 0.3280, 0.2162



55.6771, 0.5099, 0.4048

Rectangle

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



55.6771, 0.2714, 0.4969



55.6771, 0.1596, 0.3090



55.6771, 0.3280, 0.2162



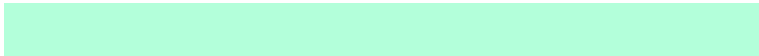
55.6771, 0.4910, 0.3114

Sweetspot

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



55.6793, 0.2714, 0.4969



86.1066, 0.2878, 0.3705



57.9213, 0.3358, 0.5714



18.1104, 0.2847, 0.3773



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.



55.6793, 0.2714, 0.4969



73.1776, 0.2718, 0.4984



59.8868, 0.2247, 0.3287



15.4549, 0.3046, 0.3406



31.7841, 0.2707, 0.4946



2.2212, 0.2631, 0.4670

Inverse Universe

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



17.2957, 0.5052, 0.2558



22.6977, 0.5072, 0.2568



16.1809, 0.6398, 0.3300



13.8104, 0.3217, 0.3177



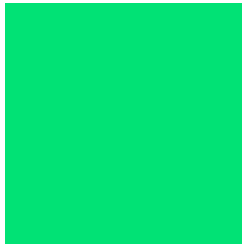
9.8814, 0.5021, 0.2540



0.7030, 0.4668, 0.2345

Previews

White Background



This preview shows how the Yxy color 55.6771, 0.2714, 0.4969 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 55.6771, 0.2714, 0.4969 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 55.6771, 0.2714, 0.4969

Background



This preview shows how black text looks on a background with the Yxy color 55.6771, 0.2714, 0.4969.

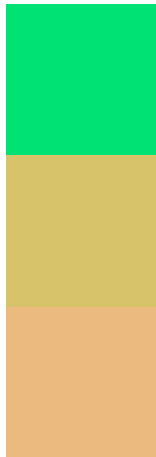


This preview shows how white text looks on a background with the Yxy color 55.6771, 0.2714, 0.4969.

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

55.6835, 0.2714, 0.4968

Protanopia

54.5179, 0.3974, 0.4321

Deuteranopia

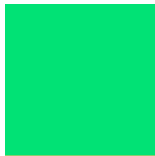
54.3123, 0.4045, 0.3947



Tritanopia

55.3365, 0.2318, 0.3050

Trichromacy



Original Color

55.6835, 0.2714, 0.4968



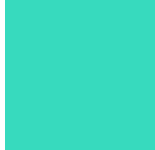
Protanomaly

50.5868, 0.3246, 0.4665



Deuteranomaly

49.6874, 0.3275, 0.4393



Tritanomaly

54.6727, 0.2429, 0.3694

Monochromacy



Original Color

55.6835, 0.2714, 0.4968



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

34.7364, 0.2774, 0.3979

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.6771, 0.2714, 0.4969 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(1, 226, 117)` looks like.

```
.text, #text, p{  
    color:rgb(1, 226, 117)  
}
```

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(1, 226, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 226, 117) }
```

Border

The CSS property to change the border of an element to Yxy 55.6771, 0.2714, 0.4969 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(1, 226, 117) }
```

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

```
.border{ border-color:rgb(1, 226, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 226, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 226, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 226, 117);  
box-shadow:4px 4px 4px 4px rgb(1, 226,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 55.6771, 0.2714, 0.4969 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 226, 117) }
```

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

```
.background{ background-color: rgb(1, 226,  
117) }
```

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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