

Converting Colors

$Y_{xy}(49.1602, 0.2072, 0.5018)$

Have a look what the booklet for
Yxy(49.1602, 0.2072, 0.5018)
contains.

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Color

Yxy(54.3077, 0.2663, 0.4785)

Conversions

Conversions Part 1

Format	Color
Hex	01DF7F
RGB	1, 223, 127
RGB Percent	0%, 87%, 50%
CMY	0.9974, 0.1255, 0.5020
CMYK	1.00, 0.00, 0.43, 0.13
HSL	154°, 99%, 44%
HSV	154°, 100%, 87%
XYZ	30.2239, 54.3077, 28.9641
YIQ	145.6780, -101.4960, -76.9200

Conversions

Conversions Part 2

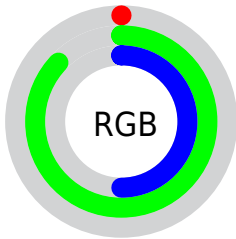
Format	Color
RYB	1, 143, 223
Decimal	122751
CIELab	78.64, -66.66, 34.55
CIELCh	79, 75.078, 152.603
Yxy	54.3077, 0.2663, 0.4785
Android (android.graphics.Color)	4278312831 (0xFF01DF7F)
YUV	145.6780, -9.2083, -126.8826
Hunter-Lab	73.6938, -55.7561, 28.2827

Details

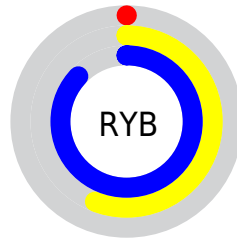
The Yxy color **54.3077, 0.2663, 0.4785** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **16.5589, 0.5268, 0.2677**, and the grayscale version is **28.6311, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.9820, 0.2722, 0.4232**, and **27.7942, 0.2759, 0.5133** is the 20% darker color. If you saturate the color by 10%, you get **54.2980, 0.2664, 0.4790**, and if you desaturate by 10%, it is **54.7505, 0.2637, 0.4623**.

Distribution



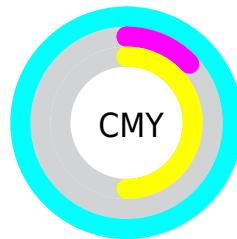
- Red (0%)
- Green (87%)
- Blue (50%)



- Red (0%)
- Yellow (56%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (43%)
- Black (13%)



- Cyan (100%)
- Magenta (13%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 54.3077, 0.2663, 0.4785 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 54.3077, 0.2663, 0.4785 by changing the saturation by 10% instead.

 54.3077, 0.2663,
0.4785


 54.3077, 0.2663,
0.4785


403.2823, 0.2921,
0.3996


 38.8477, 0.2590,
0.4992


 96.5259, 0.2763,
0.4490


 26.6413, 0.2493,
0.5263


 124.0529, 0.2799,
0.4381

 17.3040, 0.2356,
0.5630


 156.3710, 0.2828,
0.4291

 10.4515, 0.2153,
0.6147

 193.8646, 0.2853,
0.4214

 5.6993, 0.1833,
0.6908

 236.9182, 0.2874,
0.4148

 2.6631, 0.1115,
0.8885

285.9160, 0.2892,

 0.9585, 0.0000,

0.4090

1.0000

341.2426, 0.2908,
0.4040

■ 0.0000, 0.0000,
0.0000

■ 54.3077, 0.2663,
0.4785

■ 54.3077, 0.2663,
0.4785

■ 54.2980, 0.2664,
0.4790

■ 54.7505, 0.2637,
0.4623

■ 55.4206, 0.2628,
0.4456

■ 56.3832, 0.2640,
0.4286

■ 57.6757, 0.2671,
0.4117

■ 59.3298, 0.2721,
0.3953

■ 61.3732, 0.2785,
0.3797

■ 63.8310, 0.2862,
0.3651

■ 66.7260, 0.2947,
0.3517

■ 70.0792, 0.3037,
0.3396

Harmonies

Analogous

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



54.3077, 0.3573, 0.5142



54.3077, 0.2663, 0.4785



54.3077, 0.1931, 0.3738

Triad

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



54.3077, 0.2663, 0.4785



54.3077, 0.1818, 0.1865



54.3077, 0.5002, 0.3415

Complementary

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



54.3077, 0.2663, 0.4785



16.5589, 0.5268, 0.2677

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.



54.3077, 0.4382, 0.2779



54.3077, 0.2663, 0.4785



54.3077, 0.2441, 0.1934

Square

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



54.3077, 0.2663, 0.4785



54.3077, 0.1528, 0.2096



54.3077, 0.3376, 0.2255



54.3077, 0.4975, 0.4101

Rectangle

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



54.3077, 0.2663, 0.4785



54.3077, 0.1638, 0.3014



54.3077, 0.3376, 0.2255



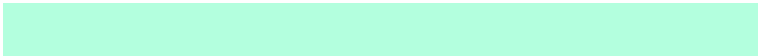
54.3077, 0.4864, 0.3196

Sweetspot

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



54.3099, 0.2663, 0.4785



86.3163, 0.2858, 0.3659



55.3169, 0.3273, 0.5781



18.1601, 0.2824, 0.3719



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

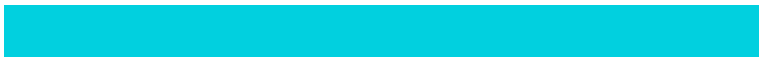
The Same Dimension uses a secret algorithm to generate beautiful new colors.



54.3099, 0.2663, 0.4785



73.5608, 0.2667, 0.4801



50.5288, 0.2189, 0.3079



15.4671, 0.3039, 0.3393



31.9506, 0.2657, 0.4766



2.2325, 0.2588, 0.4515

Inverse Universe

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



16.5589, 0.5268, 0.2677



22.3883, 0.5294, 0.2690



16.0446, 0.6356, 0.3332



13.7983, 0.3225, 0.3189



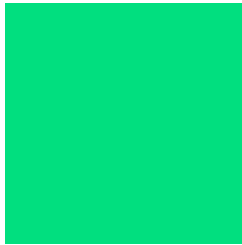
9.7458, 0.5239, 0.2659



0.6932, 0.4849, 0.2445

Previews

White Background



This preview shows how the Yxy color 54.3077, 0.2663, 0.4785 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 54.3077, 0.2663, 0.4785 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

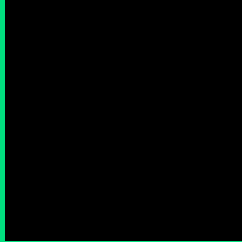
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.3077, 0.2663, 0.4785

Background



This preview shows how black text looks on a background with the Yxy color 54.3077, 0.2663, 0.4785.



This preview shows how white text looks on a background with the Yxy color 54.3077, 0.2663, 0.4785.

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

54.3141, 0.2663, 0.4785

Protanopia

53.2266, 0.3886, 0.4219

Deuteranopia

53.2985, 0.3931, 0.3850



Tritanopia

53.9838, 0.2311, 0.3060

Trichromacy



Original Color

54.3141, 0.2663, 0.4785



Protanomaly

49.6685, 0.3180, 0.4524



Deuteranomaly

48.7433, 0.3188, 0.4235



Tritanomaly

53.0925, 0.2407, 0.3639

Monochromacy



Original Color

54.3141, 0.2663, 0.4785



Achromatopsia

28.7441, 0.3127, 0.3290



Achromatomaly

34.4633, 0.2745, 0.3891

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.3077, 0.2663, 0.4785 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, 223, 127)` looks like.

```
.text, #text, p{  
    color:rgb(1, 223, 127)  
}
```

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, 223, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 223, 127) }
```

Border

The CSS property to change the border of an element to Yxy 54.3077, 0.2663, 0.4785 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, 223, 127) }
```

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

```
.border{ border-color:rgb(1, 223, 127) }
```

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

Here you see how a box with a 4 pixel rgb(1, 223, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 223, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 223, 127);  
box-shadow:4px 4px 4px 4px rgb(1, 223,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 54.3077, 0.2663, 0.4785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 223, 127) }
```

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

```
.background{ background-color: rgb(1, 223,  
127) }
```

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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