

Converting Colors

Yxy(51.8824, 0.2741, 0.5066)

Have a look what the booklet for
Yxy(51.8824, 0.2741, 0.5066)
contains.

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Color

Yxy(51.7310, 0.2741, 0.5064)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 01DB6B |
| RGB | 1, 219, 107 |
| RGB Percent | 0%, 86%, 42% |
| CMY | 0.9951, 0.1412, 0.5803 |
| CMYK | 0.99, 0.00, 0.51, 0.14 |
| HSL | 149°, 99%, 43% |
| HSV | 149°, 99%, 86% |
| XYZ | 28.0005, 51.7310, 22.4229 |
| YIQ | 141.0500, -93.9760, -81.0480 |

Conversions

Conversions Part 2

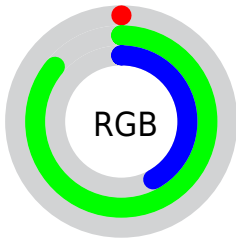
| Format | Color |
|-------------------------------------|----------------------------------|
| RYB | 1, 148, 219 |
| Decimal | 121707 |
| CIELab | 77.12, -68.68, 42.44 |
| CIELCh | 77, 80.740, 148.285 |
| Yxy | 51.7310, 0.2741, 0.5064 |
| Android (android.graphics.Color) | 4278311787 (0xFF01DB6B) |
| YUV | 141.0500, -16.7867, -122.8239 |
| Hunter-Lab | 71.9243, -56.3764, 31.8629 |

Details

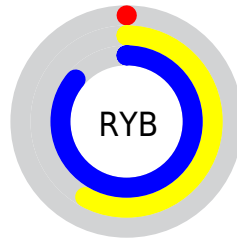
The Yxy color **51.7310, 0.2741, 0.5064** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed spring green. A complement of this color would be **16.2842, 0.4909, 0.2481**, and the grayscale version is **26.7815, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.1222, 0.2813, 0.4516**, and **26.1262, 0.2851, 0.5463** is the 20% darker color. If you saturate the color by 10%, you get **51.7118, 0.2743, 0.5074**, and if you desaturate by 10%, it is **52.1617, 0.2710, 0.4879**.

Distribution



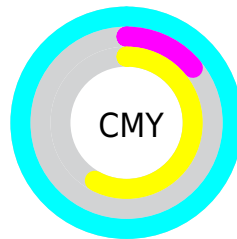
- Red (0%)
- Green (86%)
- Blue (42%)



- Red (0%)
- Yellow (58%)
- Blue (86%)



- Cyan (99%)
- Magenta (0%)
- Yellow (51%)
- Black (14%)





- Cyan (100%)
- Magenta (14%)
- Yellow (58%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.7310, 0.2741, 0.5064 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 51.7310, 0.2741, 0.5064 by changing the saturation by 10% instead.


 51.7310, 0.2741,
0.5064

 51.7310, 0.2741,
0.5064


393.3972, 0.2977,
0.4116


 36.7907, 0.2668,
0.5315


 92.7344, 0.2837,
0.4708

 25.0455, 0.2565,
0.5642


 119.5663, 0.2871,
0.4577


 16.1109, 0.2415,
0.6082


 151.1308, 0.2897,
0.4468

 9.6027, 0.2182,
0.6692

 187.8124, 0.2919,
0.4376

 5.1363, 0.1837,
0.7711

 229.9955, 0.2937,
0.4297

 2.3275, 0.0509,
0.9491

278.0644, 0.2953,


 0.7882, 0.0000,


0.4229


1.0000


332.4035, 0.2966,
0.4169

 0.0000, 0.0000,
0.0000


 51.7310, 0.2741,
0.5064


 51.7310, 0.2741,
0.5064

 51.7118, 0.2743,
0.5074

 52.1617, 0.2710,
0.4879

 52.8214, 0.2697,
0.4683

 53.7715, 0.2703,
0.4481

 55.0482, 0.2729,
0.4278

 56.6818, 0.2772,
0.4081

■ 58.6993, 0.2828,
0.3893

■ 61.1250, 0.2896,
0.3718

■ 63.9808, 0.2971,
0.3558

■ 67.2875, 0.3050,
0.3413

Harmonies

Analogous

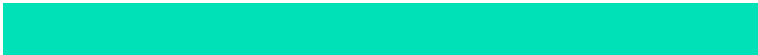
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



51.7310, 0.3720, 0.5285



51.7310, 0.2741, 0.5064



51.7310, 0.1920, 0.3960

Triad

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



51.7310, 0.2741, 0.5064



51.7310, 0.1659, 0.1777



51.7310, 0.5114, 0.3299

Complementary

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



51.7310, 0.2741, 0.5064



16.2842, 0.4909, 0.2481

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.



51.7310, 0.4350, 0.2642



51.7310, 0.2741, 0.5064



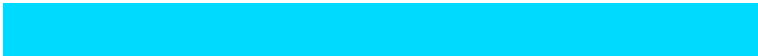
51.7310, 0.2263, 0.1812

Square

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



51.7310, 0.2741, 0.5064



51.7310, 0.1402, 0.2062



51.7310, 0.3229, 0.2115



51.7310, 0.5163, 0.4018

Rectangle

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



51.7310, 0.2741, 0.5064



51.7310, 0.1576, 0.3132



51.7310, 0.3229, 0.2115



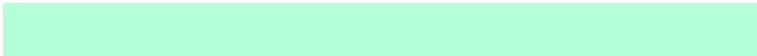
51.7310, 0.4931, 0.3071

Sweetspot

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



51.7331, 0.2741, 0.5064



85.9845, 0.2890, 0.3732



54.2265, 0.3384, 0.5692



18.0815, 0.2861, 0.3805



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.



51.7331, 0.2741, 0.5064



72.9719, 0.2747, 0.5089



55.5966, 0.2261, 0.3338



14.7111, 0.3050, 0.3413



30.6845, 0.2735, 0.5047



2.0053, 0.2651, 0.4743

Inverse Universe

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



16.2842, 0.4909, 0.2481



22.9023, 0.4940, 0.2495



15.0977, 0.6378, 0.3292



13.1628, 0.3212, 0.3170



9.6540, 0.4889, 0.2467



0.6428, 0.4542, 0.2276

Previews

White Background



This preview shows how the Yxy color 51.7310, 0.2741, 0.5064 looks on a white background.

Color Contrast Check

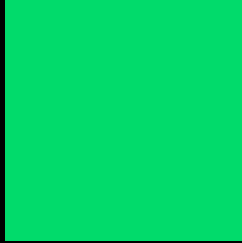
Large Text (above 18pt) WCAG AA × Fail

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 51.7310, 0.2741, 0.5064 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 51.7310, 0.2741, 0.5064

Background



This preview shows how black text looks on a background with the Yxy color 51.7310, 0.2741, 0.5064.



This preview shows how white text looks on a background with the Yxy color 51.7310, 0.2741, 0.5064.

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

51.7310, 0.2741, 0.5064

Protanopia

50.6682, 0.4008, 0.4380

Deuteranopia

50.4209, 0.4096, 0.4008



Tritanopia

51.3551, 0.2323, 0.3056

Trichromacy



Original Color

51.7310, 0.2741, 0.5064



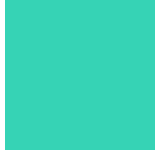
Protanomaly

47.2347, 0.3280, 0.4742



Deuteranomaly

45.8868, 0.3323, 0.4468



Tritanomaly

50.7090, 0.2445, 0.3739

Monochromacy



Original Color

51.7310, 0.2741, 0.5064



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

32.1346, 0.2786, 0.4002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.7310, 0.2741, 0.5064 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, 219, 107)` looks like.

```
.text, #text, p{  
    color:rgb(1, 219, 107)  
}
```

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, 219, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 219, 107) }
```

Border

The CSS property to change the border of an element to Yxy 51.7310, 0.2741, 0.5064 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, 219, 107) }
```

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

```
.border{ border-color:rgb(1, 219, 107) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 219, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 219, 107); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 219, 107);  
box-shadow:4px 4px 4px 4px rgb(1, 219,  
107) }
```


Background

The CSS property to change the background color of an element to Yxy 51.7310, 0.2741, 0.5064 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 219, 107) }
```

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

```
.background{ background-color: rgb(1, 219,  
107) }
```

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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