

Converting Colors

$Y_{xy}(52.8209, 0.2831, 0.5393)$

Have a look what the booklet for
Yxy(52.8209, 0.2831, 0.5393)
contains.

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Color

Yxy(52.8984, 0.2833, 0.5398)

Conversions

Conversions Part 1

Format	Color
Hex	00DE55
RGB	0, 222, 85
RGB Percent	0%, 87%, 33%
CMY	0.9990, 0.1294, 0.6668
CMYK	1.00, 0.00, 0.62, 0.13
HSL	143°, 100%, 44%
HSV	143°, 100%, 87%
XYZ	27.7624, 52.8984, 17.3355
YIQ	140.0040, -88.3350, -89.6710

Conversions

Conversions Part 2

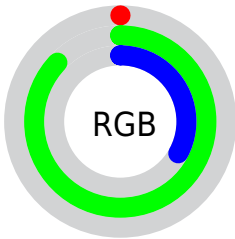
Format	Color
RYB	0, 161, 222
Decimal	56917
CIELab	77.81, -72.63, 53.35
CIELCh	78, 90.116, 143.699
Yxy	52.8984, 0.2833, 0.5398
Android (android.graphics.Color)	4278246997 (0xFF00DE55)
YUV	140.0040, -27.1170, -122.7835
Hunter-Lab	72.7313, -59.1443, 36.7801

Details

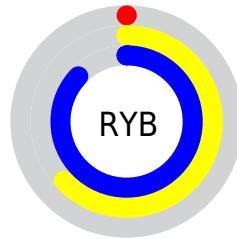
The Yxy color **52.8984, 0.2833, 0.5398** is a dark color, and the websafe version is hex **00CC33**. The color can be described as dark washed green. A complement of this color would be **17.3496, 0.4484, 0.2244**, and the grayscale version is **26.3908, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5722, 0.2914, 0.4788**, and **26.9941, 0.2955, 0.5837** is the 20% darker color. If you saturate the color by 10%, you get **52.8964, 0.2833, 0.5400**, and if you desaturate by 10%, it is **53.3142, 0.2799, 0.5200**.

Distribution



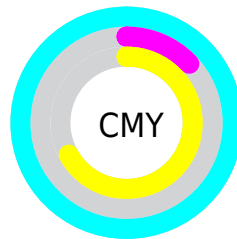
- Red (0%)
- Green (87%)
- Blue (33%)



- Red (0%)
- Yellow (63%)
- Blue (87%)



- Cyan (100%)
- Magenta (0%)
- Yellow (62%)
- Black (13%)




- Cyan (100%)
- Magenta (13%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.8984, 0.2833, 0.5398 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 52.8984, 0.2833, 0.5398 by changing the saturation by 10% instead.

 52.8984, 0.2833,
0.5398

 52.8984, 0.2833,
0.5398


397.8952, 0.3046,
0.4276


 37.7217, 0.2757,
0.5688


 94.4548, 0.2927,
0.4980

 25.7667, 0.2647,
0.6060


 121.6034, 0.2957,
0.4825

 16.6492, 0.2480,
0.6546


 153.5112, 0.2981,
0.4696

 9.9847, 0.2215,
0.7189

 190.5629, 0.3000,
0.4586

 5.3888, 0.1814,
0.8186

 233.1427, 0.3015,
0.4492

 2.4772, 0.0394,
0.9606

281.6351, 0.3027,


 0.8652, 0.0000,


0.4410

1.0000


336.4245, 0.3037,
0.4339


 0.0000, 0.0000,
0.0000


 52.8984, 0.2833,
0.5398


 52.8984, 0.2833,
0.5398


 52.8964, 0.2833,
0.5400

 53.3142, 0.2799,
0.5200

 53.9726, 0.2780,
0.4980

 54.9414, 0.2780,
0.4743

 56.2590, 0.2798,
0.4501

 57.9583, 0.2831,
0.4261

■ 60.0678, 0.2878,
0.4032

■ 62.6135, 0.2934,
0.3818

■ 65.6191, 0.2996,
0.3622

■ 69.1064, 0.3061,
0.3446

Harmonies

Analogous

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



52.8984, 0.3887, 0.5419



52.8984, 0.2833, 0.5398



52.8984, 0.1909, 0.4256

Triad

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



52.8984, 0.2833, 0.5398



52.8984, 0.1479, 0.1676



52.8984, 0.5237, 0.3156

Complementary

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



52.8984, 0.2833, 0.5398



17.3496, 0.4484, 0.2244

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.



52.8984, 0.4295, 0.2479



52.8984, 0.2833, 0.5398



52.8984, 0.2056, 0.1672

Square

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



52.8984, 0.2833, 0.5398



52.8984, 0.1260, 0.2027



52.8984, 0.3047, 0.1953



52.8984, 0.5383, 0.3905

Rectangle

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



52.8984, 0.2833, 0.5398



52.8984, 0.1506, 0.3293



52.8984, 0.3047, 0.1953



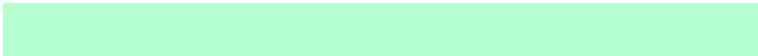
52.8984, 0.4998, 0.2921

Sweetspot

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



52.9006, 0.2833, 0.5398



85.5849, 0.2931, 0.3825



57.8800, 0.3558, 0.5557



17.9876, 0.2907, 0.3914



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.



52.9006, 0.2833, 0.5398



72.3910, 0.2837, 0.5414



56.0702, 0.2366, 0.3718



15.4235, 0.3064, 0.3438



31.4390, 0.2826, 0.5373



2.1963, 0.2739, 0.5060

Inverse Universe

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



17.3496, 0.4484, 0.2244



23.7140, 0.4498, 0.2251



15.6282, 0.6244, 0.3214



13.8422, 0.3196, 0.3146



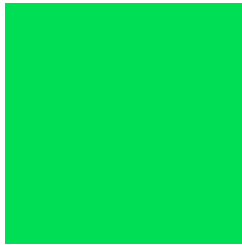
10.3225, 0.4462, 0.2232



0.7328, 0.4217, 0.2097

Previews

White Background



This preview shows how the Yxy color 52.8984, 0.2833, 0.5398 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 52.8984, 0.2833, 0.5398 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 52.8984, 0.2833, 0.5398

Background



This preview shows how black text looks on a background with the Yxy color 52.8984, 0.2833, 0.5398.



This preview shows how white text looks on a background with the Yxy color 52.8984, 0.2833, 0.5398.

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

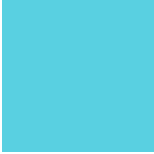
52.8984, 0.2833, 0.5398

Protanopia

51.7805, 0.4159, 0.4574

Deuteranopia

51.8114, 0.4289, 0.4207



Tritanopia

52.6718, 0.2338, 0.3058

Trichromacy



Original Color

52.8984, 0.2833, 0.5398



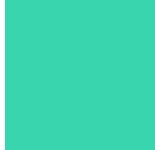
Protanomaly

47.9565, 0.3408, 0.5026



Deuteranomaly

47.1124, 0.3465, 0.4755



Tritanomaly

51.5143, 0.2493, 0.3877

Monochromacy



Original Color

52.8984, 0.2833, 0.5398



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

32.2294, 0.2844, 0.4188

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.8984, 0.2833, 0.5398 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, 222, 85)` looks like.

```
.text, #text, p{  
    color:rgb(0, 222, 85)  
}
```

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, 222, 85) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 222, 85) }
```

Border

The CSS property to change the border of an element to Yxy 52.8984, 0.2833, 0.5398 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, 222, 85) }
```

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

```
.border{ border-color:rgb(0, 222, 85) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 222, 85)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 222, 85); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 222, 85);  
box-shadow:4px 4px 4px 4px rgb(0, 222, 85)  
}
```


Background

The CSS property to change the background color of an element to Yxy 52.8984, 0.2833, 0.5398 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 222, 85) }
```

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

```
.background{ background-color: rgb(0, 222,  
85) }
```

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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