

Converting Colors

$Y_{xy}(39.9973, 0.2828, 0.5378)$

Have a look what the booklet for
Yxy(39.9973, 0.2828, 0.5378)
contains.

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Color

Yxy(39.9943, 0.2830, 0.5384)

Conversions

Conversions Part 1

Format	Color
Hex	01C44B
RGB	1, 196, 75
RGB Percent	0%, 77%, 29%
CMY	0.9961, 0.2314, 0.7059
CMYK	0.99, 0.00, 0.62, 0.23
HSL	143°, 99%, 39%
HSV	143°, 99%, 77%
XYZ	21.0223, 39.9943, 13.2671
YIQ	123.9010, -77.3790, -78.9710

Conversions

Conversions Part 2

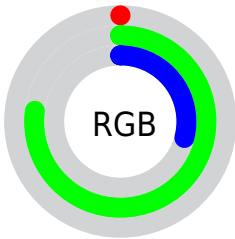
Format	Color
RYB	1, 142, 196
Decimal	115787
CIELab	69.47, -66.01, 48.20
CIELCh	69, 81.734, 143.861
Yxy	39.9943, 0.2830, 0.5384
Android (android.graphics.Color)	4278305867 (0xFF01C44B)
YUV	123.9010, -24.1082, -107.7842
Hunter-Lab	63.2410, -51.3358, 31.8306

Details

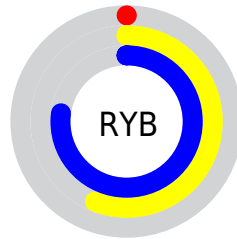
The Yxy color **39.9943, 0.2830, 0.5384** is a dark color, and the websafe version is hex **00CC66**. The color can be described as dark washed green. A complement of this color would be **13.1636, 0.4454, 0.2230**, and the grayscale version is **20.2236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.1515, 0.2928, 0.4934**, and **18.8032, 0.2963, 0.5868** is the 20% darker color. If you saturate the color by 10%, you get **39.9809, 0.2832, 0.5394**, and if you desaturate by 10%, it is **40.3274, 0.2799, 0.5185**.

Distribution



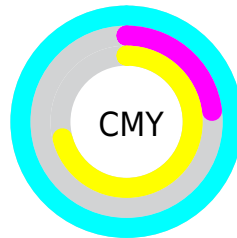
- Red (0%)
- Green (77%)
- Blue (29%)



- Red (0%)
- Yellow (56%)
- Blue (77%)



- Cyan (99%)
- Magenta (0%)
- Yellow (62%)
- Black (23%)



- Cyan (100%)
- Magenta (23%)
- Yellow (71%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.9943, 0.2830, 0.5384 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 39.9943, 0.2830, 0.5384 by changing the saturation by 10% instead.

 39.9943, 0.2830,
0.5384


 39.9943, 0.2830,
0.5384


346.0995, 0.3050,
0.4220


 27.5341, 0.2746,
0.5705


 75.1548, 0.2930,
0.4936


 17.9748, 0.2618,
0.6127

 98.6240, 0.2962,
0.4775


 10.9319, 0.2414,
0.6696


 126.5315, 0.2986,
0.4642

 6.0210, 0.2120,
0.7649

 159.2619, 0.3004,
0.4530

 2.8579, 0.1326,
0.8674

 197.1995, 0.3019,
0.4435

 1.0580, 0.0000,
1.0000

240.7287, 0.3031,

 0.0000, 0.0000,

0.4353

0.0000

290.2339, 0.3042,
0.4282

■ 39.9943, 0.2830,
0.5384

■ 39.9943, 0.2830,
0.5384

■ 39.9809, 0.2832,
0.5394

■ 40.3274, 0.2799,
0.5185

■ 40.8438, 0.2782,
0.4963

■ 41.5946, 0.2783,
0.4727

■ 42.6077, 0.2802,
0.4485

■ 43.9069, 0.2836,
0.4247

■ 45.5132, 0.2883,
0.4020

■ 47.4456, 0.2938,
0.3808

■ 49.7215, 0.3000,
0.3613

■ 52.3571, 0.3065,
0.3438

Harmonies

Analogous

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



39.9943, 0.3881, 0.5414



39.9943, 0.2830, 0.5384



39.9943, 0.1910, 0.4244

Triad

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



39.9943, 0.2830, 0.5384



39.9943, 0.1486, 0.1680



39.9943, 0.5231, 0.3162

Complementary

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



39.9943, 0.2830, 0.5384



13.1636, 0.4454, 0.2230

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.



39.9943, 0.4297, 0.2486



39.9943, 0.2830, 0.5384



39.9943, 0.2064, 0.1678

Square

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



39.9943, 0.2830, 0.5384



39.9943, 0.1266, 0.2029



39.9943, 0.3054, 0.1959



39.9943, 0.5374, 0.3910

Rectangle

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



39.9943, 0.2830, 0.5384



39.9943, 0.1509, 0.3287



39.9943, 0.3054, 0.1959



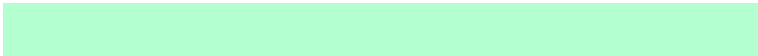
39.9943, 0.4995, 0.2927

Sweetspot

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



39.9959, 0.2830, 0.5384



85.5751, 0.2933, 0.3828



43.8065, 0.3564, 0.5549



17.9853, 0.2908, 0.3917



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.



39.9959, 0.2830, 0.5384



72.3786, 0.2839, 0.5421



42.3904, 0.2365, 0.3712



11.3207, 0.3065, 0.3436



25.7040, 0.2824, 0.5368



1.1240, 0.2695, 0.4902

Inverse Universe

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



13.1636, 0.4454, 0.2230



23.7370, 0.4487, 0.2246



11.8373, 0.6222, 0.3206



10.1806, 0.3194, 0.3148



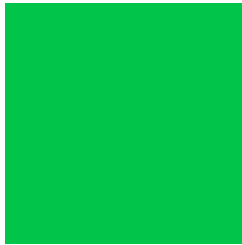
8.4549, 0.4441, 0.2220



0.3784, 0.4097, 0.2031

Previews

White Background



This preview shows how the Yxy color 39.9943, 0.2830, 0.5384 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 39.9943, 0.2830, 0.5384 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 39.9943, 0.2830, 0.5384

Background



This preview shows how black text looks on a background with the Yxy color 39.9943, 0.2830, 0.5384.



This preview shows how white text looks on a background with the Yxy color 39.9943, 0.2830, 0.5384.

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

39.9943, 0.2830, 0.5384

Protanopia

39.4725, 0.4157, 0.4566

Deuteranopia

39.0789, 0.4285, 0.4188



Tritanopia

40.0242, 0.2339, 0.3061

Trichromacy



Original Color

39.9943, 0.2830, 0.5384



Protanomaly

36.6755, 0.3411, 0.5010



Deuteranomaly

35.4019, 0.3472, 0.4731



Tritanomaly

38.9776, 0.2491, 0.3864

Monochromacy



Original Color

39.9943, 0.2830, 0.5384



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

24.5156, 0.2849, 0.4174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.9943, 0.2830, 0.5384 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, 196, 75)` looks like.

```
.text, #text, p{  
    color:rgb(1, 196, 75)  
}
```

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, 196, 75) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 196, 75) }
```

Border

The CSS property to change the border of an element to Yxy 39.9943, 0.2830, 0.5384 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, 196, 75) }
```

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

```
.border{ border-color:rgb(1, 196, 75) }
```

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

Here you see how a box with a 4 pixel rgb(1, 196, 75) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 196, 75); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 196, 75);  
box-shadow:4px 4px 4px 4px rgb(1, 196, 75)  
}
```


Background

The CSS property to change the background color of an element to Yxy 39.9943, 0.2830, 0.5384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 196, 75) }
```

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

```
.background{ background-color: rgb(1, 196,  
75) }
```

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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