

Converting Colors

$Y_{xy}(52.9777, 0.3043, 0.5832)$

Have a look what the booklet for
Yxy(52.9777, 0.3043, 0.5832)
contains.

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Color

Yxy(53.0053, 0.3044, 0.5832)

Conversions

Conversions Part 1

Format	Color
Hex	31DE21
RGB	49, 222, 33
RGB Percent	19%, 87%, 13%
CMY	0.8075, 0.1294, 0.8703
CMYK	0.78, 0.00, 0.85, 0.13
HSL	115°, 74%, 50%
HSV	115°, 85%, 87%
XYZ	27.6660, 53.0053, 10.2157
YIQ	148.7270, -42.4390, -95.4550

Conversions

Conversions Part 2

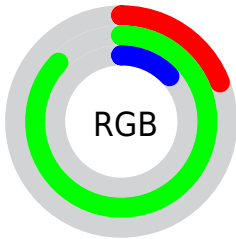
Format	Color
RYB	33, 222, 206
Decimal	3268129
CIELab	77.88, -73.28, 70.98
CIELCh	78, 102.022, 135.915
Yxy	53.0053, 0.3044, 0.5832
Android (android.graphics.Color)	4281458209 (0xFF31DE21)
YUV	148.7270, -57.0534, -87.4606
Hunter-Lab	72.8047, -59.5778, 42.6440

Details

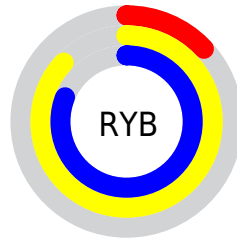
The Yxy color **53.0053, 0.3044, 0.5832** is a dark color, and the websafe version is hex **00CC00**. The color can be described as dark washed green. A complement of this color would be **19.4843, 0.3026, 0.1505**, and the grayscale version is **30.2059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.7618, 0.3156, 0.5218**, and **26.9103, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **52.5240, 0.3023, 0.5952**, and if you desaturate by 10%, it is **53.8006, 0.3065, 0.5628**.

Distribution



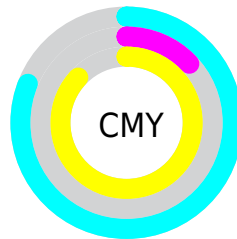
- Red (19%)
- Green (87%)
- Blue (13%)



- Red (13%)
- Yellow (87%)
- Blue (81%)



- Cyan (78%)
- Magenta (0%)
- Yellow (85%)
- Black (13%)




- Cyan (81%)
- Magenta (13%)
- Yellow (87%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.0053, 0.3044, 0.5832 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 53.0053, 0.3044, 0.5832 by changing the saturation by 10% instead.


 53.0053, 0.3044,
0.5832


 53.0053, 0.3044,
0.5832

398.3055, 0.3201,
0.4506

 37.8070, 0.2964,
0.6152


 94.6122, 0.3132,
0.5352


 25.8329, 0.2838,
0.6544


 121.7895, 0.3155,
0.5169

 16.6987, 0.2638,
0.7022

 153.7287, 0.3172,
0.5015

 10.0199, 0.2336,
0.7664

 190.8141, 0.3183,
0.4883

 5.4122, 0.1793,
0.8207

 233.4300, 0.3190,
0.4769

 2.4911, 0.0357,
0.9643

 281.9610, 0.3195,


 0.8722, 0.0000,


0.4670

1.0000

336.7913, 0.3199,
0.4583


 0.0000, 0.0000,
0.0000


 53.0053, 0.3044,
0.5832


 53.0053, 0.3044,
0.5832


 52.5240, 0.3023,
0.5952


 53.8006, 0.3065,
0.5628


 52.3790, 0.3016,
0.5987

 54.9443, 0.3085,
0.5352


 56.4733, 0.3101,
0.5027


 58.4180, 0.3113,
0.4677

 60.8059, 0.3122,
0.4328

 63.6620, 0.3127,
0.3995

 67.0095, 0.3128,
0.3690

 70.8701, 0.3128,
0.3417

 75.2641, 0.3126,
0.3176

Harmonies

Analogous

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



53.0053, 0.4182, 0.5455



53.0053, 0.3044, 0.5832



53.0053, 0.1979, 0.4830

Triad

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



53.0053, 0.3044, 0.5832



53.0053, 0.1239, 0.1577



53.0053, 0.5301, 0.2908

Complementary

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



53.0053, 0.3044, 0.5832



19.4843, 0.3026, 0.1505

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.



53.0053, 0.4069, 0.2221



53.0053, 0.3044, 0.5832



53.0053, 0.1741, 0.1499

Square

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



53.0053, 0.3044, 0.5832



53.0053, 0.1094, 0.2053



53.0053, 0.2697, 0.1722



53.0053, 0.5671, 0.3674

Rectangle

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



53.0053, 0.3044, 0.5832



53.0053, 0.1472, 0.3684



53.0053, 0.2697, 0.1722



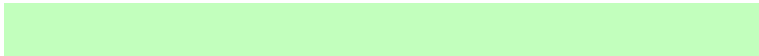
53.0053, 0.4960, 0.2667

Sweetspot

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



53.0075, 0.3044, 0.5832



86.6930, 0.3126, 0.4030



58.4017, 0.4309, 0.4860



18.2531, 0.3125, 0.4145



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.



53.0075, 0.3044, 0.5832



71.6863, 0.3014, 0.5989



53.6631, 0.2774, 0.5047



15.3925, 0.3128, 0.3531



31.1319, 0.3020, 0.5984



2.1774, 0.3075, 0.5941

Inverse Universe

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



19.4843, 0.3026, 0.1505



24.6077, 0.2993, 0.1422



18.7094, 0.4289, 0.2236



13.8735, 0.3124, 0.3058



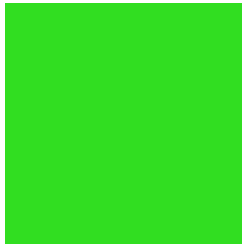
10.7130, 0.2998, 0.1425



0.7602, 0.3032, 0.1444

Previews

White Background



This preview shows how the Yxy color 53.0053, 0.3044, 0.5832 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 53.0053, 0.3044, 0.5832 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

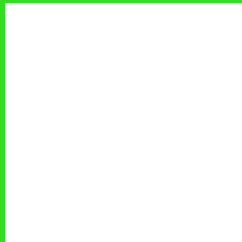
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.0053, 0.3044, 0.5832

Background



This preview shows how black text looks on a background with the Yxy color 53.0053, 0.3044, 0.5832.



This preview shows how white text looks on a background with the Yxy color 53.0053, 0.3044, 0.5832.

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

53.0053, 0.3044, 0.5832

Protanopia

51.7746, 0.4376, 0.4839

Deuteranopia

51.6939, 0.4572, 0.4471



Tritanopia

52.7781, 0.2394, 0.3073

Trichromacy



Original Color

53.0053, 0.3044, 0.5832



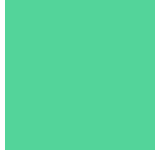
Protanomaly

49.2888, 0.3752, 0.5309



Deuteranomaly

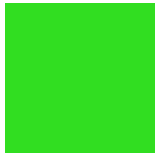
48.2393, 0.3869, 0.5064



Tritanomaly

51.2591, 0.2680, 0.4170

Monochromacy



Original Color

53.0053, 0.3044, 0.5832



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

35.6229, 0.3120, 0.4448

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.0053, 0.3044, 0.5832 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(49, 222, 33)` looks like.

```
.text, #text, p{  
    color:rgb(49, 222, 33)  
}
```

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(49, 222, 33) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(49, 222, 33) }
```

Border

The CSS property to change the border of an element to Yxy 53.0053, 0.3044, 0.5832 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(49, 222, 33) }
```

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

```
.border{ border-color:rgb(49, 222, 33) }
```

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

Here you see how a box with a 4 pixel rgb(49, 222, 33) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(49, 222, 33); -webkit-box-  
shadow:4px 4px 4px 4px rgb(49, 222, 33);  
box-shadow:4px 4px 4px 4px rgb(49, 222,  
33) }
```


Background

The CSS property to change the background color of an element to Yxy 53.0053, 0.3044, 0.5832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(49, 222, 33) }
```

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

```
.background{ background-color: rgb(49, 222,  
33) }
```

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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