

Converting Colors

Yxy(53.3370, 0.3000, 0.5993)

Have a look what the booklet for
Yxy(53.3370, 0.3000, 0.5993)
contains.

Yxy(53.3308, 0.3000, 0.5992)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(53.3308, 0.3000, 0.5992)

Conversions

Conversions Part 1

Format	Color
Hex	02E003
RGB	2, 224, 3
RGB Percent	1%, 88%, 1%
CMY	0.9904, 0.1216, 0.9883
CMYK	0.99, 0.00, 0.99, 0.12
HSL	120°, 98%, 44%
HSV	120°, 99%, 88%
XYZ	26.7010, 53.3308, 8.9715
YIQ	132.4280, -61.3710, -115.7950

Conversions

Conversions Part 2

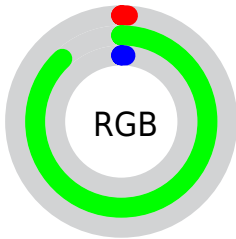
Format	Color
RYB	2, 223, 224
Decimal	188419
CIELab	78.07, -78.01, 75.16
CIELCh	78, 108.325, 136.065
Yxy	53.3308, 0.3000, 0.5992
Android (android.graphics.Color)	4278378499 (0xFF02E003)
YUV	132.4280, -63.8080, -114.3854
Hunter-Lab	73.0279, -62.5344, 43.8357

Details

The Yxy color **53.3308, 0.3000, 0.5992** 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 **21.2519, 0.3215, 0.1548**, and the grayscale version is **23.5390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.6366, 0.3133, 0.5371**, and **27.6374, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **53.3120, 0.3000, 0.5999**, and if you desaturate by 10%, it is **53.5870, 0.3004, 0.5910**.

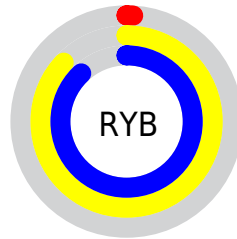
Distribution



Red (1%)

Green (88%)

Blue (1%)



Red (1%)

Yellow (87%)

Blue (88%)

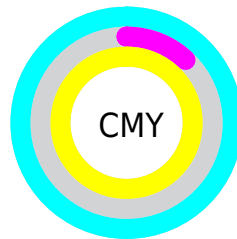


Cyan (99%)

Magenta (0%)

Yellow (99%)

Black (12%)



Cyan (99%)


Magenta (12%)

Yellow (99%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.3308, 0.3000, 0.5992 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 53.3308, 0.3000, 0.5992 by changing the saturation by 10% instead.


 53.3308, 0.3000,
0.5992


 53.3308, 0.3000,
0.5992


399.5530, 0.3195,
0.4586


 38.0669, 0.2905,
0.6326


 95.0910, 0.3105,
0.5486

 26.0346, 0.2760,
0.6730


 122.3560, 0.3135,
0.5293


 16.8495, 0.2539,
0.7230


 154.3903, 0.3155,
0.5129

 10.1273, 0.2187,
0.7813

 191.5781, 0.3169,
0.4988

 5.4834, 0.1629,
0.8371

 234.3039, 0.3180,
0.4867

 2.5336, 0.0000,
1.0000

 282.9520, 0.3187,


 0.8934, 0.0000,


0.4761


1.0000


337.9069, 0.3192,
0.4668


 0.0000, 0.0000,
0.0000


 53.3308, 0.3000,
0.5992


 53.3308, 0.3000,
0.5992

 53.3120, 0.3000,
0.5999

 53.5870, 0.3004,
0.5910

 54.1314, 0.3011,
0.5746

 55.0418, 0.3022,
0.5497

 56.3670, 0.3037,
0.5184

 58.1486, 0.3053,
0.4834

■ 60.4229, 0.3070,
0.4474

■ 63.2228, 0.3087,
0.4127

■ 66.5782, 0.3102,
0.3805

■ 70.5168, 0.3116,
0.3517

Harmonies

Analogous

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



53.3308, 0.4182, 0.5540



53.3308, 0.3000, 0.5992



53.3308, 0.1903, 0.4927

Triad

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



53.3308, 0.3000, 0.5992



53.3308, 0.1170, 0.1503



53.3308, 0.5427, 0.2877

Complementary

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



53.3308, 0.3000, 0.5992



21.2519, 0.3215, 0.1548

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.



53.3308, 0.4125, 0.2173



53.3308, 0.3000, 0.5992



53.3308, 0.1683, 0.1429

Square

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



53.3308, 0.3000, 0.5992



53.3308, 0.1017, 0.1980



53.3308, 0.2675, 0.1660



53.3308, 0.5787, 0.3656

Rectangle

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



53.3308, 0.3000, 0.5992



53.3308, 0.1388, 0.3687



53.3308, 0.2675, 0.1660



53.3308, 0.5069, 0.2631

Sweetspot

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



53.3330, 0.3000, 0.5992



84.2864, 0.3085, 0.4171



69.1632, 0.4191, 0.5050



17.6890, 0.3078, 0.4317



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.



53.3330, 0.3000, 0.5992



71.5214, 0.3000, 0.5999



54.5236, 0.2727, 0.5009



15.3378, 0.3115, 0.3532



31.0320, 0.3000, 0.5998



2.1512, 0.2998, 0.5993

Inverse Universe

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



21.2519, 0.3215, 0.1548



28.4392, 0.3216, 0.1545



17.0972, 0.4960, 0.2512



13.9350, 0.3138, 0.3060



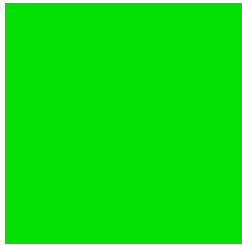
12.3396, 0.3215, 0.1545



0.8555, 0.3214, 0.1544

Previews

White Background



This preview shows how the Yxy color 53.3308, 0.3000, 0.5992 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 53.3308, 0.3000, 0.5992 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

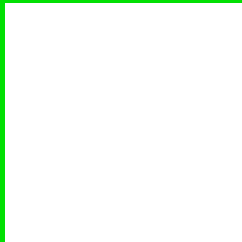
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 53.3308, 0.3000, 0.5992

Background



This preview shows how black text looks on a background with the Yxy color 53.3308, 0.3000, 0.5992.



This preview shows how white text looks on a background with the Yxy color 53.3308, 0.3000, 0.5992.

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

53.3308, 0.3000, 0.5992

Protanopia

52.2982, 0.4405, 0.4884

Deuteranopia

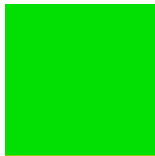
51.7948, 0.4613, 0.4507



Tritanopia

52.9277, 0.2356, 0.3060

Trichromacy



Original Color

53.3308, 0.3000, 0.5992



Protanomaly

48.5912, 0.3629, 0.5498



Deuteranomaly

46.9068, 0.3765, 0.5264



Tritanomaly

51.0989, 0.2656, 0.4378

Monochromacy



Original Color

53.3308, 0.3000, 0.5992



Achromatopsia

23.4551, 0.3127, 0.3290



Achromatomaly

29.9228, 0.3057, 0.4776

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.3308, 0.3000, 0.5992 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(2, 224, 3)` looks like.

```
.text, #text, p{  
    color:rgb(2, 224, 3)  
}
```

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(2, 224, 3) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 224, 3) }
```

Border

The CSS property to change the border of an element to Yxy 53.3308, 0.3000, 0.5992 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(2, 224, 3) }
```

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

```
.border{ border-color:rgb(2, 224, 3) }
```

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

Here you see how a box with a 4 pixel `rgb(2, 224, 3)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 224, 3); -webkit-box-shadow:4px  
4px 4px 4px rgb(2, 224, 3); box-shadow:4px  
4px 4px 4px rgb(2, 224, 3) }
```


Background

The CSS property to change the background color of an element to Yxy 53.3308, 0.3000, 0.5992 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 224, 3) }
```

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

```
.background{ background-color: rgb(2, 224,  
3) }
```

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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