

Converting Colors

$Y_{xy}(53.6023, 0.3033, 0.5974)$

Have a look what the booklet for
Yxy(53.6023, 0.3033, 0.5974)
contains.

Yxy(53.6026, 0.3033, 0.5973)	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(53.6026, 0.3033, 0.5973)

Conversions

Conversions Part 1

Format	Color
Hex	1FE000
RGB	31, 224, 0
RGB Percent	12%, 88%, 0%
CMY	0.8790, 0.1215, 0.9987
CMYK	0.86, 0.00, 1.00, 0.12
HSL	112°, 100%, 44%
HSV	112°, 100%, 88%
XYZ	27.2186, 53.6026, 8.9203
YIQ	140.7570, -43.1240, -110.5800

Conversions

Conversions Part 2

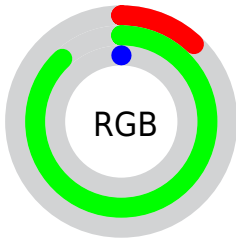
Format	Color
RYB	0, 224, 193
Decimal	2088960
CIELab	78.23, -76.59, 75.60
CIELCh	78, 107.620, 135.373
Yxy	53.6026, 0.3033, 0.5973
Android (android.graphics.Color)	4280279040 (0xFF1FE000)
YUV	140.7570, -69.3932, -96.2569
Hunter-Lab	73.2138, -61.7634, 44.0258

Details

The Yxy color **53.6026, 0.3033, 0.5973** 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 **16.7909, 0.2863, 0.1351**, and the grayscale version is **26.8232, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.0434, 0.3161, 0.5353**, and **27.6374, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **53.5998, 0.3033, 0.5974**, and if you desaturate by 10%, it is **54.0589, 0.3060, 0.5880**.

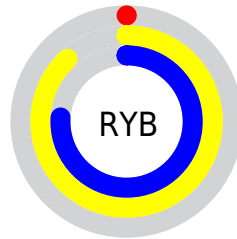
Distribution



Red (12%)

Green (88%)

Blue (0%)



Red (0%)

Yellow (88%)

Blue (76%)

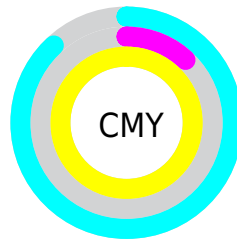


Cyan (86%)

Magenta (0%)

Yellow (100%)

Black (12%)



Cyan (88%)


Magenta (12%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.6026, 0.3033, 0.5973 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 53.6026, 0.3033, 0.5973 by changing the saturation by 10% instead.


 53.6026, 0.3033,
0.5973


 53.6026, 0.3033,
0.5973


400.5928, 0.3212,
0.4581

 38.2840, 0.2942,
0.6302


 95.4905, 0.3133,
0.5473

 26.2032, 0.2802,
0.6698


 122.8286, 0.3160,
0.5282


 16.9757, 0.2586,
0.7190


 154.9421, 0.3178,
0.5120

 10.2172, 0.2241,
0.7759

 192.2152, 0.3191,
0.4981

 5.5432, 0.1691,
0.8309

 235.0325, 0.3200,
0.4860

 2.5694, 0.0185,
0.9815

 283.7782, 0.3206,

 0.9113, 0.0000,

0.4755

1.0000


338.8369, 0.3210,
0.4663

 0.0000, 0.0000,
0.0000

 53.6026, 0.3033,
0.5973


 53.6026, 0.3033,
0.5973


 53.5998, 0.3033,
0.5974

 54.0589, 0.3060,
0.5880

 54.7905, 0.3088,
0.5712

 55.8447, 0.3113,
0.5468

 57.2543, 0.3132,
0.5165

 59.0482, 0.3143,
0.4829

■ 61.2518, 0.3149,
0.4482

■ 63.8887, 0.3148,
0.4144

■ 66.9806, 0.3144,
0.3829

■ 70.5476, 0.3136,
0.3542

Harmonies

Analogous

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



53.6026, 0.4208, 0.5509



53.6026, 0.3033, 0.5973



53.6026, 0.1935, 0.4952

Triad

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



53.6026, 0.3033, 0.5973



53.6026, 0.1173, 0.1519



53.6026, 0.5388, 0.2865

Complementary

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



53.6026, 0.3033, 0.5973



16.7909, 0.2863, 0.1351

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.



53.6026, 0.4083, 0.2166



53.6026, 0.3033, 0.5973



53.6026, 0.1675, 0.1437

Square

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



53.6026, 0.3033, 0.5973



53.6026, 0.1029, 0.2008



53.6026, 0.2650, 0.1661



53.6026, 0.5774, 0.3640

Rectangle

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



53.6026, 0.3033, 0.5973



53.6026, 0.1413, 0.3726



53.6026, 0.2650, 0.1661



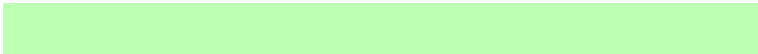
53.6026, 0.5026, 0.2620

Sweetspot

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



53.6048, 0.3033, 0.5973



85.5654, 0.3149, 0.4156



52.8735, 0.4488, 0.4818



17.9794, 0.3149, 0.4298



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.



53.6048, 0.3033, 0.5973



71.8737, 0.3030, 0.5976



53.8762, 0.2858, 0.5488



15.4264, 0.3136, 0.3531



31.2253, 0.3038, 0.5970



2.1936, 0.3118, 0.5906

Inverse Universe

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



16.7909, 0.2863, 0.1351



22.4679, 0.2860, 0.1349



17.9221, 0.4354, 0.2173



13.8359, 0.3116, 0.3057



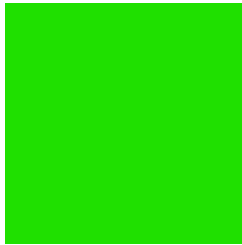
9.8025, 0.2868, 0.1354



0.7060, 0.2924, 0.1384

Previews

White Background



This preview shows how the Yxy color 53.6026, 0.3033, 0.5973 looks on a white background.

Color Contrast Check

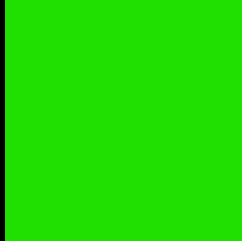
Large Text (above 18pt) WCAG AA × Fail

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 53.6026, 0.3033, 0.5973 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

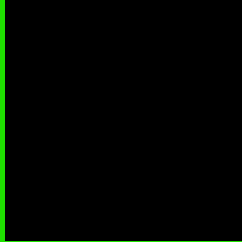
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.6026, 0.3033, 0.5973

Background



This preview shows how black text looks on a background with the Yxy color 53.6026, 0.3033, 0.5973.



This preview shows how white text looks on a background with the Yxy color 53.6026, 0.3033, 0.5973.

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

53.6026, 0.3033, 0.5973

Protanopia

52.2982, 0.4405, 0.4884

Deuteranopia

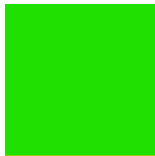
52.3701, 0.4616, 0.4515



Tritanopia

53.1447, 0.2372, 0.3060

Trichromacy



Original Color

53.6026, 0.3033, 0.5973



Protanomaly

49.5753, 0.3721, 0.5428



Deuteranomaly

48.0308, 0.3865, 0.5196



Tritanomaly

51.5322, 0.2706, 0.4381

Monochromacy



Original Color

53.6026, 0.3033, 0.5973



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

32.6307, 0.3145, 0.4713

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.6026, 0.3033, 0.5973 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(31, 224, 0)` looks like.

```
.text, #text, p{  
    color:rgb(31, 224, 0)  
}
```

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(31, 224, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(31, 224, 0) }
```

Border

The CSS property to change the border of an element to Yxy 53.6026, 0.3033, 0.5973 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(31, 224, 0) }
```

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

```
.border{ border-color:rgb(31, 224, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(31, 224, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(31, 224, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(31, 224, 0);  
box-shadow:4px 4px 4px 4px rgb(31, 224, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 53.6026, 0.3033, 0.5973 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(31, 224, 0) }
```

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

```
.background{ background-color: rgb(31, 224,  
0) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor