

Converting Colors

Yxy(43.9934, 0.3112, 0.5911)

Have a look what the booklet for
Yxy(43.9934, 0.3112, 0.5911)
contains.

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Color

Yxy(43.9980, 0.3112, 0.5911)

Conversions

Conversions Part 1

Format	Color
Hex	37CC00
RGB	55, 204, 0
RGB Percent	22%, 80%, 0%
CMY	0.7848, 0.2000, 0.9998
CMYK	0.73, 0.00, 1.00, 0.20
HSL	104°, 100%, 40%
HSV	104°, 100%, 80%
XYZ	23.1639, 43.9980, 7.2722
YIQ	136.1930, -23.3200, -95.0320

Conversions

Conversions Part 2

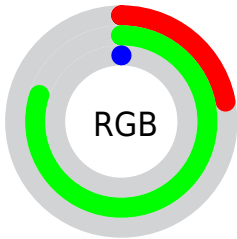
Format	Color
RYB	0, 204, 149
Decimal	3656704
CIELab	72.23, -67.97, 70.97
CIELCh	72, 98.271, 133.764
Yxy	43.9980, 0.3112, 0.5911
Android (android.graphics.Color)	4281846784 (0xFF37CC00)
YUV	136.1930, -67.1431, -71.2063
Hunter-Lab	66.3310, -53.7440, 39.9314

Details

The Yxy color **43.9980, 0.3112, 0.5911** is a dark color, and the websafe version is hex **33CC00**. The color can be described as dark washed green. A complement of this color would be **10.7667, 0.2533, 0.1169**, and the grayscale version is **24.9510, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4892, 0.3208, 0.5365**, and **21.1798, 0.3000, 0.6000** is the 20% darker color. If you saturate the color by 10%, you get **43.9988, 0.3112, 0.5911**, and if you desaturate by 10%, it is **44.5376, 0.3157, 0.5801**.

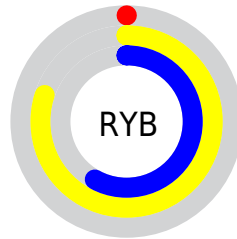
Distribution



Red (22%)

Green (80%)

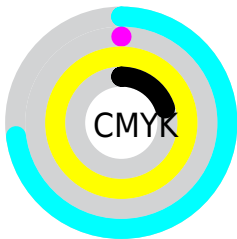
Blue (0%)



Red (0%)

Yellow (80%)

Blue (58%)

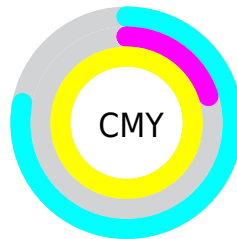


Cyan (73%)

Magenta (0%)

Yellow (100%)

Black (20%)



Cyan (78%)


Magenta (20%)

Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.9980, 0.3112, 0.5911 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 43.9980, 0.3112, 0.5911 by changing the saturation by 10% instead.


 43.9980, 0.3112,
0.5911

 43.9980, 0.3112,
0.5911


362.7001, 0.3250,
0.4515

 30.6689, 0.3024,
0.6252


 81.2147, 0.3200,
0.5401


 20.3469, 0.2880,
0.6667

 105.8712, 0.3222,
0.5208

 12.6474, 0.2673,
0.7254


 135.0722, 0.3235,
0.5045

 7.1862, 0.2246,
0.7754

 169.2023, 0.3243,
0.4907

 3.5788, 0.1596,
0.8404

 208.6457, 0.3247,
0.4788

 1.4409, 0.0000,
1.0000


 253.7869, 0.3250,


 0.2466, 0.0000,


0.4685

1.0000


305.0102, 0.3250,
0.4594

 0.0000, 0.0000,
0.0000


 43.9980, 0.3112,
0.5911


 43.9980, 0.3112,
0.5911


 43.9988, 0.3112,
0.5911

 44.5376, 0.3157,
0.5801

 45.2679, 0.3196,
0.5627

 46.2188, 0.3224,
0.5387

 47.4089, 0.3238,
0.5098

 48.8546, 0.3239,
0.4778

■ 50.5707, 0.3229,
0.4449

■ 52.5707, 0.3211,
0.4127

■ 54.8672, 0.3186,
0.3822

■ 57.4721, 0.3157,
0.3542

Harmonies

Analogous

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



43.9980, 0.4266, 0.5429



43.9980, 0.3112, 0.5911



43.9980, 0.2017, 0.4992

Triad

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



43.9980, 0.3112, 0.5911



43.9980, 0.1188, 0.1565



43.9980, 0.5285, 0.2840

Complementary

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



43.9980, 0.3112, 0.5911



10.7667, 0.2533, 0.1169

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.



43.9980, 0.3983, 0.2155



43.9980, 0.3112, 0.5911



43.9980, 0.1664, 0.1464

Square

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



43.9980, 0.3112, 0.5911



43.9980, 0.1063, 0.2079



43.9980, 0.2598, 0.1669



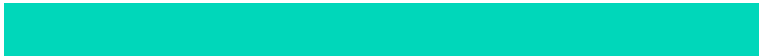
43.9980, 0.5728, 0.3607

Rectangle

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



43.9980, 0.3112, 0.5911



43.9980, 0.1482, 0.3814



43.9980, 0.2598, 0.1669



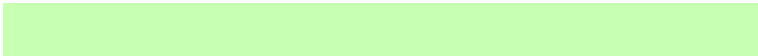
43.9980, 0.4916, 0.2599

Sweetspot

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



43.9998, 0.3112, 0.5911



86.9060, 0.3211, 0.4140



33.4647, 0.4805, 0.4566



18.2879, 0.3220, 0.4276



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.



43.9998, 0.3112, 0.5911



72.7693, 0.3105, 0.5917



43.3747, 0.2939, 0.5780



12.6804, 0.3156, 0.3527



27.7297, 0.3120, 0.5904



1.4686, 0.3269, 0.5786

Inverse Universe

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



10.7667, 0.2533, 0.1169



17.7140, 0.2525, 0.1164



15.3715, 0.3851, 0.1895



11.2462, 0.3095, 0.3059



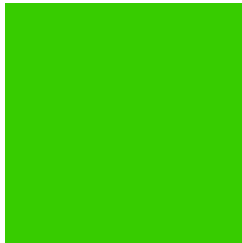
6.8223, 0.2543, 0.1174



0.3880, 0.2678, 0.1249

Previews

White Background



This preview shows how the Yxy color 43.9980, 0.3112, 0.5911 looks on a white background.

Color Contrast Check

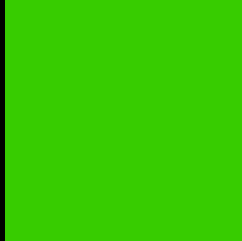
Large Text (above 18pt) WCAG AA × Fail

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 43.9980, 0.3112, 0.5911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

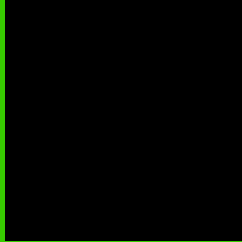
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.9980, 0.3112, 0.5911

Background



This preview shows how black text looks on a background with the Yxy color 43.9980, 0.3112, 0.5911.



This preview shows how white text looks on a background with the Yxy color 43.9980, 0.3112, 0.5911.

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

43.9980, 0.3112, 0.5911

Protanopia

43.0564, 0.4404, 0.4885

Deuteranopia

43.1914, 0.4608, 0.4514



Tritanopia

43.8873, 0.2420, 0.3072

Trichromacy



Original Color

43.9980, 0.3112, 0.5911



Protanomaly

41.2288, 0.3817, 0.5351



Deuteranomaly

40.3034, 0.3965, 0.5117



Tritanomaly

42.4809, 0.2781, 0.4358

Monochromacy



Original Color

43.9980, 0.3112, 0.5911



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

29.3037, 0.3237, 0.4620

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.9980, 0.3112, 0.5911 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(55, 204, 0)` looks like.

```
.text, #text, p{  
    color:rgb(55, 204, 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(55, 204, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 204, 0) }
```

Border

The CSS property to change the border of an element to Yxy 43.9980, 0.3112, 0.5911 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(55, 204, 0) }
```

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

```
.border{ border-color:rgb(55, 204, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 204, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 204, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 204, 0);  
box-shadow:4px 4px 4px 4px rgb(55, 204, 0)  
}
```


Background

The CSS property to change the background color of an element to Yxy 43.9980, 0.3112, 0.5911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 204, 0) }
```

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

```
.background{ background-color: rgb(55, 204,  
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](#).

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