

Converting Colors

$Yxy(80.1793, 0.3543, 0.5392)$

Have a look what the booklet for
Yxy(80.1793, 0.3543, 0.5392)
contains.

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Color

Yxy(80.1940, 0.3544, 0.5391)

Conversions

Conversions Part 1

Format	Color
Hex	A9FF33
RGB	169, 255, 51
RGB Percent	66%, 100%, 20%
CMY	0.3373, 0.0000, 0.7996
CMYK	0.34, 0.00, 0.80, 0.00
HSL	85°, 100%, 60%
HSV	85°, 80%, 100%
XYZ	52.7189, 80.1940, 15.8424
YIQ	206.0300, 14.2280, -81.6760

Conversions

Conversions Part 2

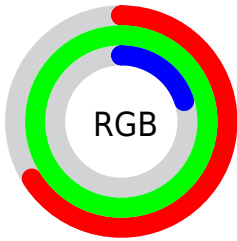
Format	Color
RYB	51, 255, 137
Decimal	11140915
CIELab	91.77, -53.72, 80.62
CIELCh	92, 96.879, 123.676
Yxy	80.1940, 0.3544, 0.5391
Android (android.graphics.Color)	4289330995 (0xFFA9FF33)
YUV	206.0300, -76.4298, -32.4753
Hunter-Lab	89.5511, -51.6312, 52.1968

Details

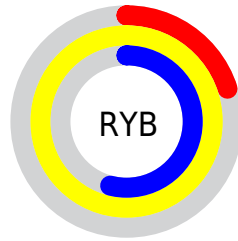
The Yxy color **80.1940, 0.3544, 0.5391** is a light color, and the websafe version is hex **99FF33**. The color can be described as light washed chartreuse. A complement of this color would be **14.9240, 0.2106, 0.1063**, and the grayscale version is **62.2377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.4158, 0.3740, 0.4698**, and **43.6394, 0.3434, 0.5655** is the 20% darker color. If you saturate the color by 10%, you get **78.8850, 0.3515, 0.5535**, and if you desaturate by 10%, it is **81.7225, 0.3549, 0.5194**.

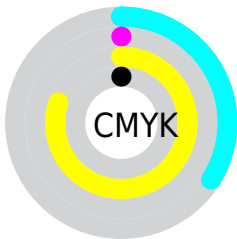
Distribution



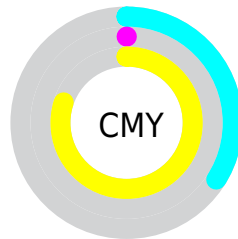
- Red (66%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (54%)



- Cyan (34%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)





- Cyan (34%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 80.1940, 0.3544, 0.5391 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 80.1940, 0.3544, 0.5391 by changing the saturation by 10% instead.


 80.1940, 0.3544,
0.5391

 80.1940, 0.3544,
0.5391


495.5864, 0.3450,
0.4412


 59.8780, 0.3535,
0.5599


 133.6385, 0.3535,
0.5060

 43.3203, 0.3508,
0.5843


 167.5357, 0.3525,
0.4928

 30.1365, 0.3449,
0.6128


 206.7288, 0.3512,
0.4814

 19.9422, 0.3340,
0.6464

 251.6022, 0.3500,
0.4713

 12.3531, 0.3144,
0.6856

 302.5403, 0.3487,
0.4624

 6.9846, 0.2773,
0.7227

359.9274, 0.3474,

 3.4525, 0.2224,

0.4545

0.7776

424.1480, 0.3461,
0.4475

■ 1.3723, 0.0000,
1.0000

■ 0.1962, 0.0000,
1.0000

■ 80.1940, 0.3544,
0.5391

■ 80.1940, 0.3544,
0.5391

■ 78.8850, 0.3515,
0.5535

■ 81.7225, 0.3549,
0.5194

■ 77.7669, 0.3466,
0.5630

■ 83.4927, 0.3531,
0.4952

■ 77.7629, 0.3466,
0.5630

■ 85.5209, 0.3491,
0.4680

■ 87.8221, 0.3434,
0.4391

■ 90.4098, 0.3364,
0.4098

■ 93.2967, 0.3288,
0.3813

■ 96.4945, 0.3207,
0.3541

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



80.1940, 0.4490, 0.4919



80.1940, 0.3544, 0.5391



80.1940, 0.2547, 0.4986

Triad

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



80.1940, 0.3544, 0.5391



80.1940, 0.1379, 0.1942



80.1940, 0.4580, 0.2733

Complementary

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



80.1940, 0.3544, 0.5391



14.9240, 0.2106, 0.1063

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.



80.1940, 0.3439, 0.2164



80.1940, 0.3544, 0.5391



80.1940, 0.1701, 0.1720

Square

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



80.1940, 0.3544, 0.5391



80.1940, 0.1387, 0.2585



80.1940, 0.2387, 0.1808



80.1940, 0.5248, 0.3416

Rectangle

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



80.1940, 0.3544, 0.5391



80.1940, 0.1985, 0.4192



80.1940, 0.2387, 0.1808



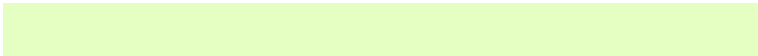
80.1940, 0.4224, 0.2525

Sweetspot

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



80.1932, 0.3544, 0.5391



92.0942, 0.3319, 0.3927



39.1241, 0.5179, 0.4000



19.4937, 0.3346, 0.4029



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.



80.1932, 0.3544, 0.5391



78.1920, 0.3486, 0.5596



72.9920, 0.3053, 0.5751



20.6867, 0.3204, 0.3529



40.7226, 0.3477, 0.5621



4.0293, 0.3555, 0.5559

Inverse Universe

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



14.9240, 0.2106, 0.1063



10.9832, 0.1905, 0.0836



27.7747, 0.3038, 0.1548



17.7522, 0.3045, 0.3049



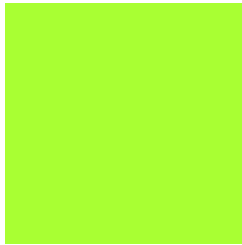
5.5077, 0.1878, 0.0808



0.5989, 0.2004, 0.0878

Previews

White Background



This preview shows how the Yxy color 80.1940, 0.3544, 0.5391 looks on a white background.

Color Contrast Check

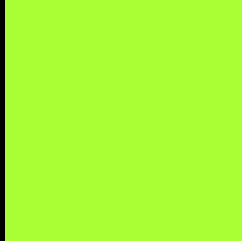
Large Text (above 18pt) WCAG AA × Fail

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 80.1940, 0.3544, 0.5391 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 80.1940, 0.3544, 0.5391

Background



This preview shows how black text looks on a background with the Yxy color 80.1940, 0.3544, 0.5391.

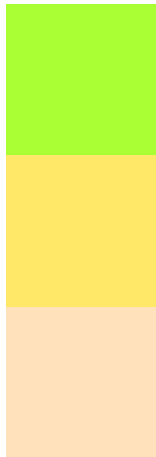


This preview shows how white text looks on a background with the Yxy color 80.1940, 0.3544, 0.5391.

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

80.1940, 0.3544, 0.5391

Protanopia

79.4113, 0.4101, 0.4503

Deuteranopia

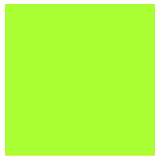
79.2406, 0.3602, 0.3688



Tritanopia

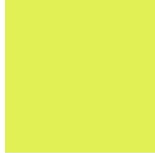
79.6587, 0.2774, 0.3097

Trichromacy



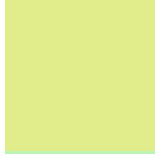
Original Color

80.1940, 0.3544, 0.5391



Protanomaly

78.8233, 0.3902, 0.4841



Deuteranomaly

78.2506, 0.3654, 0.4358



Tritanomaly

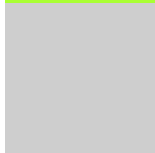
78.6024, 0.3130, 0.4022

Monochromacy



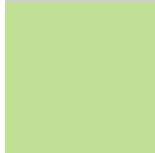
Original Color

80.1940, 0.3544, 0.5391



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

66.8508, 0.3387, 0.4181

CSS Examples

Text

The CSS property to change the color of the text to Yxy 80.1940, 0.3544, 0.5391 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(169, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(169, 255, 51)  
}
```

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(169, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(169, 255, 51) }
```

Border

The CSS property to change the border of an element to Yxy 80.1940, 0.3544, 0.5391 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(169, 255, 51) }
```

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

```
.border{ border-color:rgb(169, 255, 51) }
```

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

Here you see how a box with a 4 pixel `rgb(169, 255, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(169, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(169, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(169, 255,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 80.1940, 0.3544, 0.5391 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(169, 255, 51) }
```

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

```
.background{ background-color: rgb(169,  
255, 51) }
```

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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