

Converting Colors

$Yxy(88.1373, 0.3953, 0.5115)$

Have a look what the booklet for
Yxy(88.1373, 0.3953, 0.5115)
contains.

Yxy(88.2192, 0.3955, 0.5111)	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(88.2192, 0.3955, 0.5111)

Conversions

Conversions Part 1

Format	Color
Hex	E4FF2F
RGB	228, 255, 47
RGB Percent	89%, 100%, 18%
CMY	0.1059, 0.0000, 0.8156
CMYK	0.11, 0.00, 0.82, 0.00
HSL	68°, 100%, 59%
HSV	68°, 82%, 100%
XYZ	68.2659, 88.2192, 16.1215
YIQ	223.2150, 50.6760, -70.4120

Conversions

Conversions Part 2

Format	Color
R _Y B	47, 255, 74
Decimal	15007535
CIE Lab	95.25, -31.77, 86.01
CIE LCh	95, 91.688, 110.271
Yxy	88.2192, 0.3955, 0.5111
Android (android.graphics.Color)	4293197615 (0xFFE4FF2F)
YUV	223.2150, -86.8740, 4.1964
Hunter-Lab	93.9251, -34.6329, 55.5709

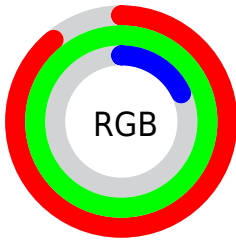
Details

The Yxy color **88.2192, 0.3955, 0.5111** is a light color, and the websafe version is hex **CCFF33**.

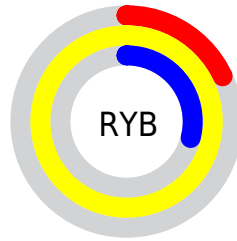
The color can be described as light washed yellow. A complement of this color would be **10.7130, 0.1709, 0.0836**, and the grayscale version is **74.5555, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9723, 0.3930, 0.4618**, and **48.7130, 0.3927, 0.5264** is the 20% darker color. If you saturate the color by 10%, you get **87.5318, 0.3968, 0.5195**, and if you desaturate by 10%, it is **89.0339, 0.3916, 0.4981**.

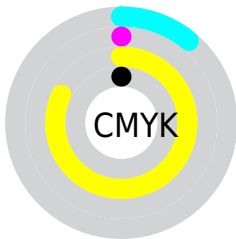
Distribution



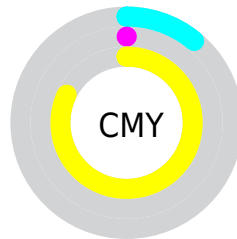
- Red (89%)
- Green (100%)
- Blue (18%)



- Red (18%)
- Yellow (100%)
- Blue (29%)



- Cyan (11%)
- Magenta (0%)
- Yellow (82%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (82%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 88.2192, 0.3955, 0.5111 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 88.2192, 0.3955, 0.5111 by changing the saturation by 10% instead.


 88.2192, 0.3955,
0.5111

 88.2192, 0.3955,
0.5111

522.2208, 0.3674,
0.4323

 66.5046, 0.3988,
0.5264


 144.8623, 0.3882,
0.4858

 48.6822, 0.4013,
0.5436


 180.5596, 0.3847,
0.4753

 34.3674, 0.4021,
0.5627


 221.6866, 0.3813,
0.4660

 23.1760, 0.3999,
0.5838

 268.6277, 0.3781,
0.4577

 14.7235, 0.3928,
0.6072

 321.7672, 0.3751,
0.4503

 8.6256, 0.3737,
0.6263


381.4897, 0.3724,


 4.4978, 0.3450,


0.4437


0.6550


448.1794, 0.3698,
0.4377


 1.9557, 0.2978,
0.7022


 0.5816, 0.0000,
1.0000


 88.2192, 0.3955,
0.5111


 88.2192, 0.3955,
0.5111


 87.5318, 0.3968,
0.5195

 89.0339, 0.3916,
0.4981

 87.0307, 0.3962,
0.5236

 89.9988, 0.3851,
0.4807

 91.1275, 0.3762,
0.4595

 92.4334, 0.3655,
0.4356

93.9281, 0.3534,
0.4101

95.6226, 0.3406,
0.3838

97.5266, 0.3276,
0.3579

99.6493, 0.3147,
0.3328

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.



88.2192, 0.4738, 0.4532



88.2192, 0.3955, 0.5111



88.2192, 0.3018, 0.5116

Triad

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



88.2192, 0.3955, 0.5111



88.2192, 0.1452, 0.2258



88.2192, 0.4019, 0.2519

Complementary

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



88.2192, 0.3955, 0.5111



10.7130, 0.1709, 0.0836

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.



88.2192, 0.2953, 0.2059



88.2192, 0.3955, 0.5111



88.2192, 0.1617, 0.1877

Square

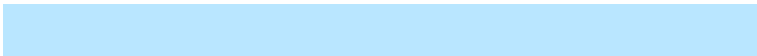
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.2192, 0.3955, 0.5111



88.2192, 0.1616, 0.3077



88.2192, 0.2110, 0.1831



88.2192, 0.4885, 0.3133

Rectangle

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



88.2192, 0.3955, 0.5111



88.2192, 0.2419, 0.4616



88.2192, 0.2110, 0.1831



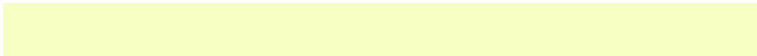
88.2192, 0.3660, 0.2344

Sweetspot

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



88.2177, 0.3955, 0.5111



95.1896, 0.3438, 0.3903



26.0095, 0.5837, 0.3448



20.2441, 0.3484, 0.3996



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.



88.2177, 0.3955, 0.5111



87.1466, 0.3964, 0.5227



76.2185, 0.3302, 0.5594



20.9641, 0.3249, 0.3526



45.5222, 0.3966, 0.5233



4.4642, 0.3993, 0.5211

Inverse Universe

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



10.7130, 0.1709, 0.0836



7.7344, 0.1552, 0.0635



18.4017, 0.2431, 0.1215



17.4908, 0.2999, 0.3046



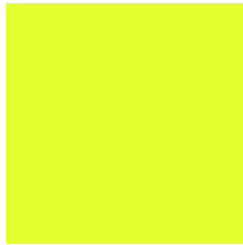
3.9772, 0.1548, 0.0626



0.4208, 0.1626, 0.0670

Previews

White Background



This preview shows how the Yxy color 88.2192, 0.3955, 0.5111 looks on a white background.

Color Contrast Check

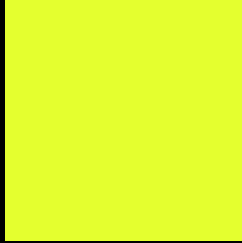
Large Text (above 18pt) WCAG AA × Fail

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 88.2192, 0.3955, 0.5111 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 88.2192, 0.3955, 0.5111

Background



This preview shows how black text looks on a background with the Yxy color 88.2192, 0.3955, 0.5111.



This preview shows how white text looks on a background with the Yxy color 88.2192, 0.3955, 0.5111.

Color Blindness Simulation

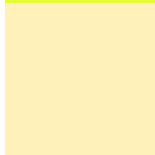
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



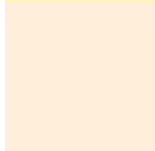
Original Color

88.2192, 0.3955, 0.5111



Protanopia

87.6734, 0.3578, 0.3851



Deuteranopia

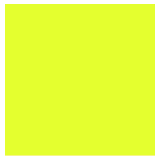
87.4710, 0.3369, 0.3489



Tritanopia

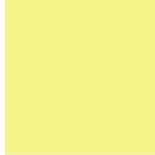
87.9619, 0.3076, 0.3124

Trichromacy



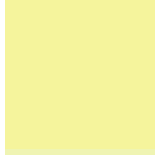
Original Color

88.2192, 0.3955, 0.5111



Protanomaly

87.0733, 0.3790, 0.4401



Deuteranomaly

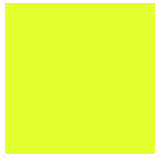
86.5141, 0.3678, 0.4186



Tritanomaly

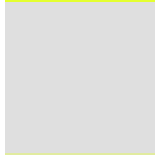
86.3068, 0.3495, 0.3965

Monochromacy



Original Color

88.2192, 0.3955, 0.5111



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.9274, 0.3541, 0.4118

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.2192, 0.3955, 0.5111 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(228, 255, 47)` looks like.

```
.text, #text, p{  
    color:rgb(228, 255, 47)  
}
```

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(228, 255, 47) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 255, 47) }
```

Border

The CSS property to change the border of an element to Yxy 88.2192, 0.3955, 0.5111 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(228, 255, 47) }
```

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

```
.border{ border-color:rgb(228, 255, 47) }
```

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

Here you see how a box with a 4 pixel rgb(228, 255, 47) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 255, 47); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 255, 47);  
box-shadow:4px 4px 4px 4px rgb(228, 255,  
47) }
```


Background

The CSS property to change the background color of an element to Yxy 88.2192, 0.3955, 0.5111 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 255, 47) }
```

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

```
.background{ background-color: rgb(228,  
255, 47) }
```

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