

Converting Colors

$Yxy(87.4775, 0.3960, 0.5189)$

Have a look what the booklet for
Yxy(87.4775, 0.3960, 0.5189)
contains.

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Color

Yxy(87.4419, 0.3958, 0.5190)

Conversions

Conversions Part 1

Format	Color
Hex	E0FF1A
RGB	224, 255, 26
RGB Percent	88%, 100%, 10%
CMY	0.1216, 0.0000, 0.8970
CMYK	0.12, 0.00, 0.90, 0.00
HSL	68°, 100%, 55%
HSV	68°, 90%, 100%
XYZ	66.6850, 87.4419, 14.3546
YIQ	219.6250, 55.0330, -77.7910

Conversions

Conversions Part 2

Format	Color
R _Y B	26, 255, 57
Decimal	14745370
CIE Lab	94.93, -33.84, 89.46
CIE LCh	95, 95.646, 110.718
Yxy	87.4419, 0.3958, 0.5190
Android (android.graphics.Color)	4292935450 (0xFFE0FF1A)
YUV	219.6250, -95.4571, 3.8369
Hunter-Lab	93.5104, -36.3496, 56.3558

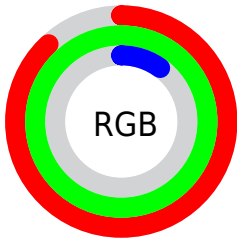
Details

The Yxy color **87.4419, 0.3958, 0.5190** is a light color, and the websafe version is hex **CCFF00**.

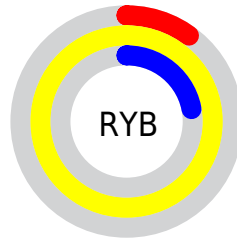
The color can be described as light washed yellow. A complement of this color would be **8.8483, 0.1620, 0.0712**, and the grayscale version is **71.9610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7393, 0.3978, 0.4696**, and **48.2807, 0.3892, 0.5292** is the 20% darker color. If you saturate the color by 10%, you get **86.8191, 0.3952, 0.5243**, and if you desaturate by 10%, it is **88.1682, 0.3942, 0.5096**.

Distribution



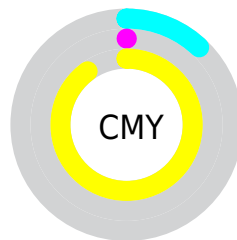
- Red (88%)
- Green (100%)
- Blue (10%)



- Red (10%)
- Yellow (100%)
- Blue (22%)



- Cyan (12%)
- Magenta (0%)
- Yellow (90%)
- Black (0%)




- Cyan (12%)
- Magenta (0%)
- Yellow (90%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.4419, 0.3958, 0.5190 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 87.4419, 0.3958, 0.5190 by changing the saturation by 10% instead.


 87.4419, 0.3958,
0.5190

 87.4419, 0.3958,
0.5190


519.6738, 0.3686,
0.4371


 65.8610, 0.3986,
0.5346

 143.7799, 0.3891,
0.4928

 48.1595, 0.4003,
0.5521


 179.3058, 0.3857,
0.4819


 33.9532, 0.3999,
0.5714

 220.2487, 0.3824,
0.4723

 22.8577, 0.3969,
0.5936

 266.9932, 0.3793,
0.4637

 14.4885, 0.3859,
0.6141

 319.9235, 0.3764,
0.4559

 8.4612, 0.3652,
0.6348

379.4242, 0.3736,

 4.3914, 0.3341,

0.4490

0.6659


445.8795, 0.3710,
0.4428


 1.8948, 0.2821,
0.7179


 0.5453, 0.0000,
1.0000


 87.4419, 0.3958,
0.5190


 87.4419, 0.3958,
0.5190


 86.8191, 0.3952,
0.5243


 88.1682, 0.3942,
0.5096


 86.8014, 0.3952,
0.5244

 89.0313, 0.3899,
0.4957

 90.0470, 0.3830,
0.4774

 91.2301, 0.3738,
0.4555

 92.5936, 0.3629,
0.4311

 94.1489, 0.3508,
0.4053

 95.9068, 0.3380,
0.3790

 97.8769, 0.3251,
0.3531

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.



87.4419, 0.4781, 0.4573



87.4419, 0.3958, 0.5190



87.4419, 0.2987, 0.5205

Triad

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



87.4419, 0.3958, 0.5190



87.4419, 0.1395, 0.2203



87.4419, 0.4074, 0.2496

Complementary

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



87.4419, 0.3958, 0.5190



8.8483, 0.1620, 0.0712

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.



87.4419, 0.2958, 0.2021



87.4419, 0.3958, 0.5190



87.4419, 0.1569, 0.1822

Square

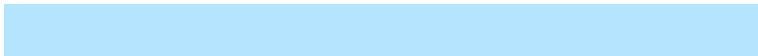
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.4419, 0.3958, 0.5190



87.4419, 0.1554, 0.3044



87.4419, 0.2080, 0.1783



87.4419, 0.4973, 0.3128

Rectangle

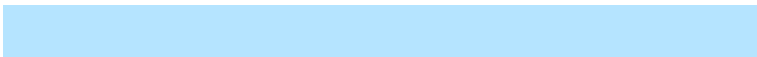
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.4419, 0.3958, 0.5190



87.4419, 0.2370, 0.4671



87.4419, 0.2080, 0.1783



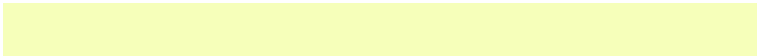
87.4419, 0.3697, 0.2315

Sweetspot

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



87.4401, 0.3958, 0.5190



94.6036, 0.3474, 0.3982



24.2380, 0.6080, 0.3437



20.1266, 0.3517, 0.4072



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.



87.4401, 0.3958, 0.5190



86.8014, 0.3952, 0.5244



74.9191, 0.3248, 0.5739



20.9585, 0.3248, 0.3526



45.4039, 0.3956, 0.5241



4.4539, 0.3984, 0.5218

Inverse Universe

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



8.8483, 0.1620, 0.0712



7.5700, 0.1543, 0.0624



16.6426, 0.2384, 0.1126



17.4958, 0.3000, 0.3046



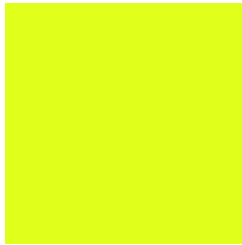
3.9914, 0.1551, 0.0628



0.4231, 0.1632, 0.0673

Previews

White Background



This preview shows how the Yxy color 87.4419, 0.3958, 0.5190 looks on a white background.

Color Contrast Check

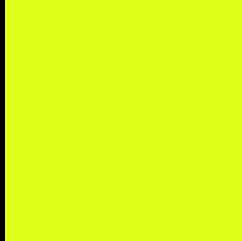
Large Text (above 18pt) WCAG AA × Fail

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 87.4419, 0.3958, 0.5190 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 87.4419, 0.3958, 0.5190

Background



This preview shows how black text looks on a background with the Yxy color 87.4419, 0.3958, 0.5190.



This preview shows how white text looks on a background with the Yxy color 87.4419, 0.3958, 0.5190.

Color Blindness Simulation

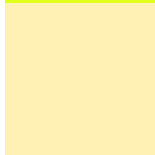
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



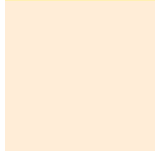
Original Color

87.4419, 0.3958, 0.5190



Protanopia

86.8348, 0.3619, 0.3902



Deuteranopia

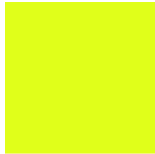
86.7347, 0.3390, 0.3510



Tritanopia

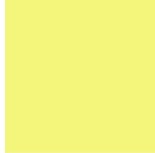
86.8431, 0.3057, 0.3112

Trichromacy



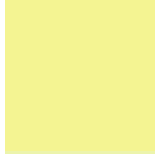
Original Color

87.4419, 0.3958, 0.5190



Protanomaly

85.9680, 0.3851, 0.4502



Deuteranomaly

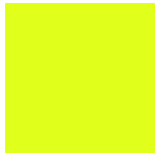
86.0098, 0.3729, 0.4285



Tritanomaly

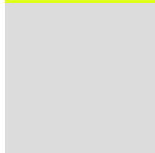
85.5128, 0.3517, 0.4043

Monochromacy



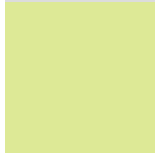
Original Color

87.4419, 0.3958, 0.5190



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.8520, 0.3573, 0.4204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4419, 0.3958, 0.5190 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(224, 255, 26)` looks like.

```
.text, #text, p{  
    color:rgb(224, 255, 26)  
}
```

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(224, 255, 26) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 26) }
```

Border

The CSS property to change the border of an element to Yxy 87.4419, 0.3958, 0.5190 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(224, 255, 26) }
```

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

```
.border{ border-color:rgb(224, 255, 26) }
```

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

Here you see how a box with a 4 pixel rgb(224, 255, 26) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 26); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 26);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
26) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4419, 0.3958, 0.5190 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 255, 26) }
```

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

```
.background{ background-color: rgb(224,  
255, 26) }
```

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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