

Converting Colors

$Yxy(89.3674, 0.4061, 0.5157)$

Have a look what the booklet for
Yxy(89.3674, 0.4061, 0.5157)
contains.

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Color

Yxy(89.3529, 0.4061, 0.5158)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | ECFF00 |
| RGB | 236, 255, 0 |
| RGB Percent | 93%, 100%, 0% |
| CMY | 0.0745, 0.0000, 1.0000 |
| CMYK | 0.07, 0.00, 1.00, 0.00 |
| HSL | 64°, 100%, 50% |
| HSV | 64°, 100%, 100% |
| XYZ | 70.3494, 89.3529, 13.5294 |
| YIQ | 220.2490, 70.5310, -83.3330 |

Conversions

Conversions Part 2

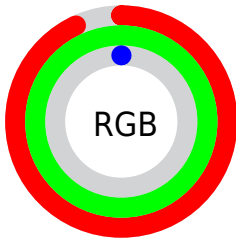
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 255, 19 |
| Decimal | 15531776 |
| CIELab | 95.73, -29.30, 92.83 |
| CIELCh | 96, 97.347, 107.518 |
| Yxy | 89.3529, 0.4061, 0.5158 |
| Android (android.graphics.Color) | 4293721856 (0xFFE0FF00) |
| YUV | 220.2490, -108.5828, 13.8136 |
| Hunter-Lab | 94.5267, -32.5770, 57.6826 |

Details

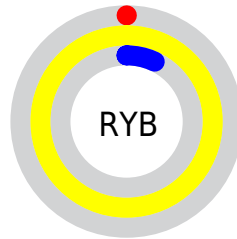
The Yxy color **89.3529, 0.4061, 0.5158** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.3585, 0.1517, 0.0609**, and the grayscale version is **72.4889, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6245, 0.4002, 0.4736**, and **49.5021, 0.3989, 0.5214** is the 20% darker color. If you saturate the color by 10%, you get **89.3519, 0.4061, 0.5158**, and if you desaturate by 10%, it is **89.7513, 0.4056, 0.5116**.

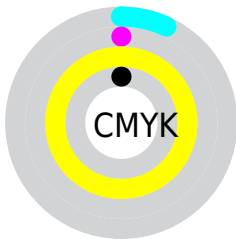
Distribution



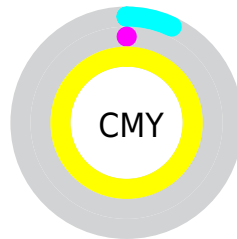
- Red (93%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (7%)



- Cyan (7%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (7%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.3529, 0.4061, 0.5158 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 89.3529, 0.4061, 0.5158 by changing the saturation by 10% instead.


 89.3529, 0.4061,
0.5158

 89.3529, 0.4061,
0.5158


525.9236, 0.3751,
0.4373

 67.4441, 0.4095,
0.5302


 146.4392, 0.3983,
0.4912

 49.4456, 0.4120,
0.5461


 182.3855, 0.3943,
0.4808


 34.9731, 0.4125,
0.5632


 223.7797, 0.3906,
0.4715

 23.6421, 0.4112,
0.5832

 271.0062, 0.3871,
0.4632

 15.0684, 0.4011,
0.5989

 324.4495, 0.3837,
0.4557

 8.8674, 0.3838,
0.6162

 384.4939, 0.3806,

 4.6548, 0.3579,

0.4490

0.6421

451.5238, 0.3777,
0.4429

■ 2.0462, 0.3156,
0.6844

■ 0.6341, 0.0000,
1.0000

■ 89.3529, 0.4061,
0.5158

■ 89.3529, 0.4061,
0.5158

■ 89.3519, 0.4061,
0.5158

■ 89.7513, 0.4056,
0.5116


■ 90.2485, 0.4030,
0.5036


■ 90.8723, 0.3977,
0.4910


■ 91.6403, 0.3898,
0.4742

 92.5674, 0.3796,
0.4536

 93.6664, 0.3676,
0.4303

 94.9491, 0.3543,
0.4052

 96.4258, 0.3404,
0.3795

 98.1064, 0.3264,
0.3538

Harmonies

Analogous

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



89.3529, 0.4863, 0.4500



89.3529, 0.4061, 0.5158



89.3529, 0.3087, 0.5272

Triad

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



89.3529, 0.4061, 0.5158



89.3529, 0.1382, 0.2258



89.3529, 0.3963, 0.2429

Complementary

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



89.3529, 0.4061, 0.5158



7.3585, 0.1517, 0.0609

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.



89.3529, 0.2845, 0.1973



89.3529, 0.4061, 0.5158



89.3529, 0.1523, 0.1832

Square

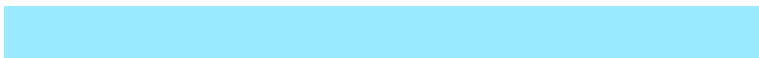
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.3529, 0.4061, 0.5158



89.3529, 0.1580, 0.3159



89.3529, 0.1998, 0.1761



89.3529, 0.4922, 0.3052

Rectangle

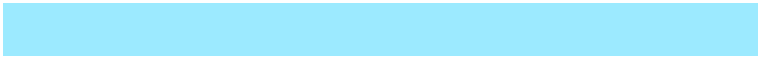
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.3529, 0.4061, 0.5158



89.3529, 0.2454, 0.4801



89.3529, 0.1998, 0.1761



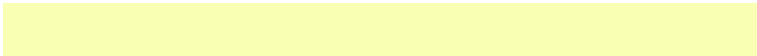
89.3529, 0.3579, 0.2253

Sweetspot

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



89.3519, 0.4061, 0.5158



94.9491, 0.3543, 0.4052



21.6609, 0.6366, 0.3327



20.2023, 0.3600, 0.4160



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.



89.3519, 0.4061, 0.5158



74.8672, 0.3267, 0.5788



21.0178, 0.3258, 0.3526



46.7173, 0.4063, 0.5156



4.5684, 0.4079, 0.5143

Inverse Universe

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



7.3585, 0.1517, 0.0609



13.1944, 0.2141, 0.0953



17.4424, 0.2990, 0.3045



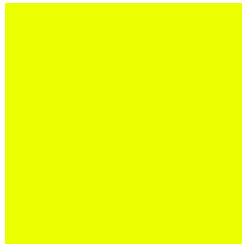
3.8680, 0.1523, 0.0612



0.3980, 0.1573, 0.0640

Previews

White Background



This preview shows how the Yxy color 89.3529, 0.4061, 0.5158 looks on a white background.

Color Contrast Check

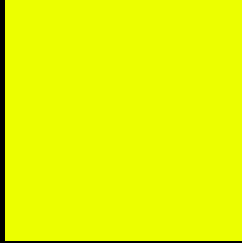
Large Text (above 18pt) WCAG AA × Fail

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 89.3529, 0.4061, 0.5158 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 89.3529, 0.4061, 0.5158

Background



This preview shows how black text looks on a background with the Yxy color 89.3529, 0.4061, 0.5158.

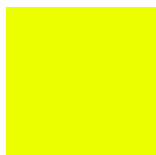


This preview shows how white text looks on a background with the Yxy color 89.3529, 0.4061, 0.5158.

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



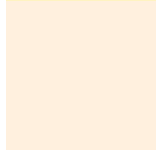
Original Color

89.3529, 0.4061, 0.5158



Protanopia

89.2114, 0.3522, 0.3789



Deuteranopia

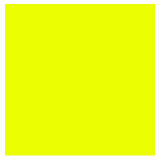
88.8541, 0.3341, 0.3468



Tritanopia

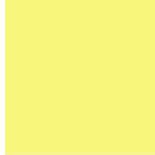
88.8592, 0.3129, 0.3117

Trichromacy



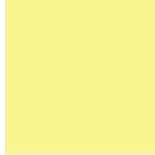
Original Color

89.3529, 0.4061, 0.5158



Protanomaly

87.9080, 0.3871, 0.4504



Deuteranomaly

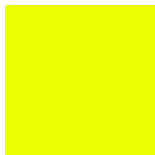
87.1844, 0.3783, 0.4330



Tritanomaly

87.0842, 0.3656, 0.4123

Monochromacy



Original Color

89.3529, 0.4061, 0.5158



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

76.3400, 0.3671, 0.4296

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.3529, 0.4061, 0.5158 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(236, 255, 0)` looks like.

```
.text, #text, p{  
    color:rgb(236, 255, 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(236, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 89.3529, 0.4061, 0.5158 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(236, 255, 0) }
```

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

```
.border{ border-color:rgb(236, 255, 0) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 255, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(236, 255,  
0) }
```

Background

The CSS property to change the background color of an element to Yxy 89.3529, 0.4061, 0.5158 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 255, 0) }
```

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

```
.background{ background-color: rgb(236,  
255, 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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