

Converting Colors

$Y_{xy}(87.6411, 0.4016, 0.5193)$

Have a look what the booklet for
Yxy(87.6411, 0.4016, 0.5193)
contains.

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Color

Yxy(87.5416, 0.4018, 0.5192)

Conversions

Conversions Part 1

Format	Color
Hex	E5FE00
RGB	229, 254, 0
RGB Percent	90%, 100%, 0%
CMY	0.1021, 0.0039, 1.0000
CMYK	0.10, 0.00, 1.00, 0.00
HSL	66°, 100%, 50%
HSV	66°, 100%, 100%
XYZ	67.7469, 87.5416, 13.3201
YIQ	217.5690, 66.6340, -84.2940

Conversions

Conversions Part 2

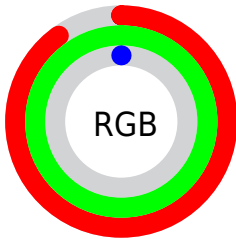
Format	Color
RYB	0, 254, 25
Decimal	15072768
CIELab	94.97, -31.67, 92.04
CIElCh	95, 97.337, 108.989
Yxy	87.5416, 0.4018, 0.5192
Android (android.graphics.Color)	4293262848 (0xFFE5FE00)
YUV	217.5690, -107.2615, 10.0250
Hunter-Lab	93.5637, -34.4893, 57.0538

Details

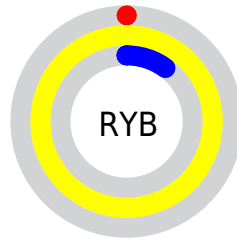
The Yxy color **87.5416, 0.4018, 0.5192** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.3639, 0.1526, 0.0614**, and the grayscale version is **70.5167, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **48.2573, 0.3935, 0.5258** is the 20% darker color. If you saturate the color by 10%, you get **87.5460, 0.4018, 0.5192**, and if you desaturate by 10%, it is **88.0329, 0.4018, 0.5146**.

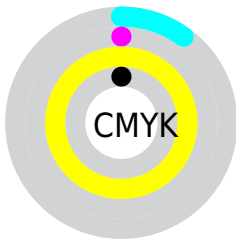
Distribution



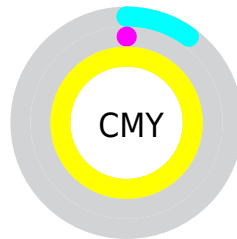
- Red (90%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (10%)



- Cyan (10%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (10%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.5416, 0.4018, 0.5192 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 87.5416, 0.4018, 0.5192 by changing the saturation by 10% instead.

 87.5416, 0.4018,
0.5192

 87.5416, 0.4018,
0.5192

520.0009, 0.3726,
0.4384

 65.9435, 0.4048,
0.5343


 143.9188, 0.3946,
0.4937


 48.2265, 0.4067,
0.5510


 179.4667, 0.3909,
0.4830


 34.0063, 0.4065,
0.5690

 220.4333, 0.3874,
0.4734

 22.8985, 0.4044,
0.5906

 267.2030, 0.3840,
0.4648

 14.5185, 0.3927,
0.6073

 320.1602, 0.3809,
0.4572

 8.4822, 0.3734,
0.6266


 379.6894, 0.3779,


 4.4050, 0.3444,


0.4503


446.1748, 0.3752,
0.4440


0.6556


 1.9026, 0.2965,
0.7035


 0.5499, 0.0000,
1.0000


 87.5416, 0.4018,
0.5192


 87.5416, 0.4018,
0.5192

 87.5460, 0.4018,
0.5192

 88.0329, 0.4018,
0.5146

 88.6191, 0.3995,
0.5061

 89.3333, 0.3947,
0.4930

 90.1931, 0.3872,
0.4757

■ 91.2130, 0.3774,
0.4546

■ 92.4059, 0.3659,
0.4309

■ 93.7833, 0.3531,
0.4056

■ 95.3557, 0.3396,
0.3796

■ 97.1327, 0.3260,
0.3538

Harmonies

Analogous

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



87.5416, 0.4839, 0.4541



87.5416, 0.4018, 0.5192



87.5416, 0.3036, 0.5268

Triad

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



87.5416, 0.4018, 0.5192



87.5416, 0.1373, 0.2220



87.5416, 0.4024, 0.2451

Complementary

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



87.5416, 0.4018, 0.5192



7.3639, 0.1526, 0.0614

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.



87.5416, 0.2893, 0.1983



87.5416, 0.4018, 0.5192



87.5416, 0.1530, 0.1813

Square

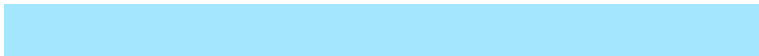
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.5416, 0.4018, 0.5192



87.5416, 0.1552, 0.3101



87.5416, 0.2025, 0.1758



87.5416, 0.4967, 0.3082

Rectangle

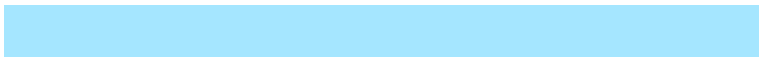
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.5416, 0.4018, 0.5192



87.5416, 0.2405, 0.4761



87.5416, 0.2025, 0.1758



87.5416, 0.3639, 0.2272

Sweetspot

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



87.5460, 0.4018, 0.5192



94.6119, 0.3531, 0.4056



21.6161, 0.6353, 0.3337



20.1204, 0.3586, 0.4164



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.



87.5460, 0.4018, 0.5192



88.3195, 0.4018, 0.5192



73.9473, 0.3247, 0.5804



20.9944, 0.3254, 0.3526



46.1860, 0.4021, 0.5189



4.5222, 0.4042, 0.5173

Inverse Universe

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



7.3639, 0.1526, 0.0614



7.4285, 0.1526, 0.0614



13.4690, 0.2178, 0.0973



17.4634, 0.2994, 0.3045



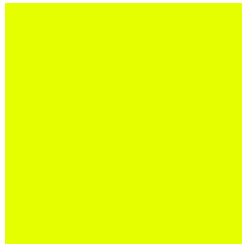
3.9096, 0.1532, 0.0618



0.4079, 0.1597, 0.0653

Previews

White Background



This preview shows how the Yxy color 87.5416, 0.4018, 0.5192 looks on a white background.

Color Contrast Check

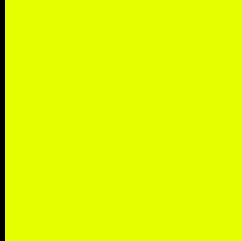
Large Text (above 18pt) WCAG AA × Fail

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 87.5416, 0.4018, 0.5192 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 87.5416, 0.4018, 0.5192

Background



This preview shows how black text looks on a background with the Yxy color 87.5416, 0.4018, 0.5192.

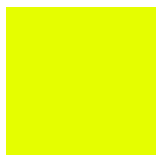


This preview shows how white text looks on a background with the Yxy color 87.5416, 0.4018, 0.5192.

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



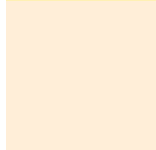
Original Color

87.5416, 0.4018, 0.5192



Protanopia

86.8755, 0.3613, 0.3892



Deuteranopia

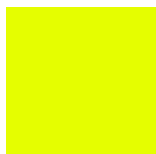
87.3669, 0.3382, 0.3509



Tritanopia

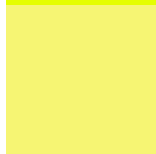
87.1674, 0.3090, 0.3104

Trichromacy



Original Color

87.5416, 0.4018, 0.5192



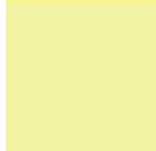
Protanomaly

86.1355, 0.3905, 0.4561



Deuteranomaly

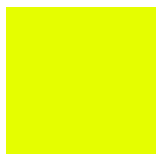
86.1003, 0.3795, 0.4364



Tritanomaly

85.4106, 0.3616, 0.4126

Monochromacy



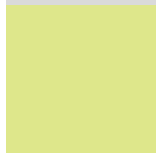
Original Color

87.5416, 0.4018, 0.5192



Achromatopsia

70.1102, 0.3127, 0.3290



Achromatomaly

74.5455, 0.3654, 0.4300

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.5416, 0.4018, 0.5192 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(229, 254, 0)` looks like.

```
.text, #text, p{  
    color:rgb(229, 254, 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(229, 254, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(229, 254, 0) }
```

Border

The CSS property to change the border of an element to Yxy 87.5416, 0.4018, 0.5192 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(229, 254, 0) }
```

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

```
.border{ border-color:rgb(229, 254, 0) }
```

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

Here you see how a box with a 4 pixel rgb(229, 254, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(229, 254, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(229, 254, 0);  
box-shadow:4px 4px 4px 4px rgb(229, 254,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 87.5416, 0.4018, 0.5192 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(229, 254, 0) }
```

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

```
.background{ background-color: rgb(229,  
254, 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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