

Converting Colors

Yxy(88.8665, 0.4013, 0.5134)

Have a look what the booklet for
Yxy(88.8665, 0.4013, 0.5134)
contains.

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Color

Yxy(88.9426, 0.4016, 0.5131)

Conversions

Conversions Part 1

Format	Color
Hex	E9FF1F
RGB	233, 255, 31
RGB Percent	91%, 100%, 12%
CMY	0.0862, 0.0000, 0.8789
CMYK	0.09, 0.00, 0.88, 0.00
HSL	66°, 100%, 56%
HSV	66°, 88%, 100%
XYZ	69.6148, 88.9426, 14.7862
YIQ	222.8860, 58.7920, -74.3280

Conversions

Conversions Part 2

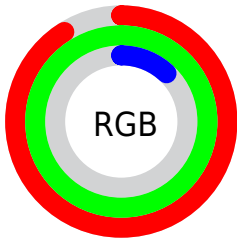
Format	Color
R _Y B	31, 255, 53
Decimal	15335199
CIE Lab	95.56, -30.14, 89.54
CIE LCh	96, 94.476, 108.606
Yxy	88.9426, 0.4016, 0.5131
Android (android.graphics.Color)	4293525279 (0xFFE9FF1F)
YUV	222.8860, -94.5998, 8.8700
Hunter-Lab	94.3094, -33.2810, 56.7208

Details

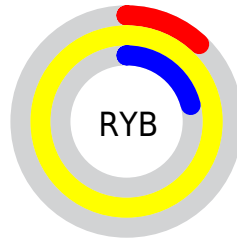
The Yxy color **88.9426, 0.4016, 0.5131** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **8.9478, 0.1610, 0.0720**, and the grayscale version is **74.3552, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7999, 0.3965, 0.4675**, and **49.2724, 0.3972, 0.5229** is the 20% darker color. If you saturate the color by 10%, you get **88.4404, 0.4020, 0.5183**, and if you desaturate by 10%, it is **89.5600, 0.3988, 0.5037**.

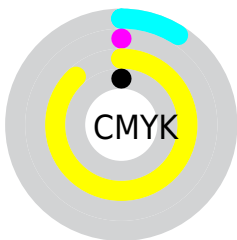
Distribution



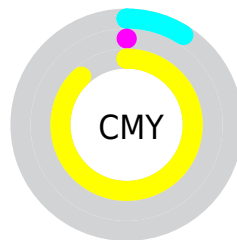
- Red (91%)
- Green (100%)
- Blue (12%)



- Red (12%)
- Yellow (100%)
- Blue (21%)



- Cyan (9%)
- Magenta (0%)
- Yellow (88%)
- Black (0%)





- Cyan (9%)
- Magenta (0%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.9426, 0.4016, 0.5131 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 88.9426, 0.4016, 0.5131 by changing the saturation by 10% instead.


 88.9426, 0.4016,
0.5131


 88.9426, 0.4016,
0.5131


524.5851, 0.3717,
0.4347

 67.1040, 0.4051,
0.5279

 145.8687, 0.3939,
0.4882


 49.1691, 0.4076,
0.5443


 181.7251, 0.3901,
0.4778

 34.7537, 0.4084,
0.5623


 223.0227, 0.3865,
0.4686

 23.4732, 0.4067,
0.5825

 270.1461, 0.3831,
0.4603

 14.9433, 0.3983,
0.6017

 323.4797, 0.3799,
0.4529

 8.7796, 0.3803,
0.6197


383.4078, 0.3770,


 4.5977, 0.3535,


0.4462


0.6465


450.3148, 0.3742,
0.4402

 2.0132, 0.3095,
0.6905


 0.6151, 0.0000,
1.0000

 88.9426, 0.4016,
0.5131


 88.9426, 0.4016,
0.5131


 88.4404, 0.4020,
0.5183


 89.5600, 0.3988,
0.5037

 88.3410, 0.4019,
0.5191

 90.3082, 0.3934,
0.4897

 91.2065, 0.3854,
0.4715

 92.2692, 0.3752,
0.4498

 93.5090, 0.3633,
0.4257

 94.9372, 0.3503,
0.4001

 96.5642, 0.3368,
0.3741

 98.3997, 0.3232,
0.3485

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.



88.9426, 0.4805, 0.4510



88.9426, 0.4016, 0.5131



88.9426, 0.3061, 0.5197

Triad

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



88.9426, 0.4016, 0.5131



88.9426, 0.1418, 0.2264



88.9426, 0.3981, 0.2469

Complementary

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



88.9426, 0.4016, 0.5131



8.9478, 0.1610, 0.0720

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.



88.9426, 0.2890, 0.2013



88.9426, 0.4016, 0.5131



88.9426, 0.1567, 0.1857

Square

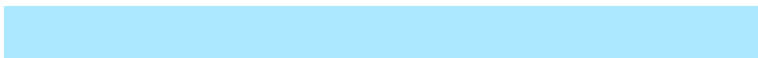
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.9426, 0.4016, 0.5131



88.9426, 0.1602, 0.3128



88.9426, 0.2049, 0.1796



88.9426, 0.4897, 0.3087

Rectangle

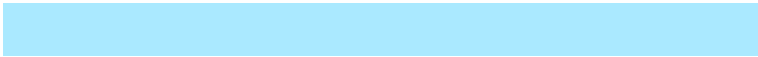
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.9426, 0.4016, 0.5131



88.9426, 0.2445, 0.4716



88.9426, 0.2049, 0.1796



88.9426, 0.3610, 0.2294

Sweetspot

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



88.9450, 0.4016, 0.5131



95.2285, 0.3478, 0.3952



23.6027, 0.6103, 0.3381



20.2694, 0.3524, 0.4042



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.



88.9450, 0.4016, 0.5131



88.3410, 0.4019, 0.5191



75.9236, 0.3313, 0.5671



20.9949, 0.3254, 0.3526



46.1970, 0.4022, 0.5189



4.5232, 0.4042, 0.5172

Inverse Universe

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



8.9478, 0.1610, 0.0720



7.4268, 0.1526, 0.0614



15.8361, 0.2299, 0.1091



17.4629, 0.2994, 0.3045



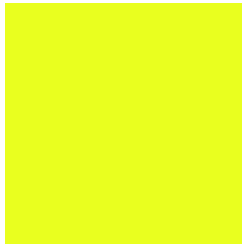
3.9086, 0.1532, 0.0618



0.4077, 0.1596, 0.0653

Previews

White Background



This preview shows how the Yxy color 88.9426, 0.4016, 0.5131 looks on a white background.

Color Contrast Check

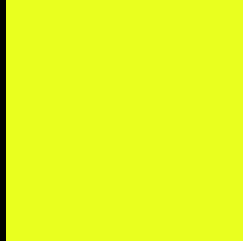
Large Text (above 18pt) WCAG AA × Fail

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 88.9426, 0.4016, 0.5131 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 88.9426, 0.4016, 0.5131

Background



This preview shows how black text looks on a background with the Yxy color 88.9426, 0.4016, 0.5131.

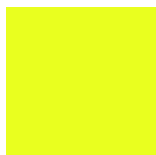


This preview shows how white text looks on a background with the Yxy color 88.9426, 0.4016, 0.5131.

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



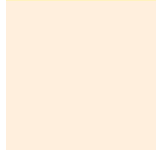
Original Color

88.9426, 0.4016, 0.5131



Protanopia

88.4820, 0.3543, 0.3810



Deuteranopia

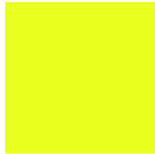
88.2135, 0.3348, 0.3469



Tritanopia

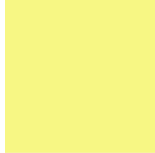
88.2976, 0.3109, 0.3115

Trichromacy



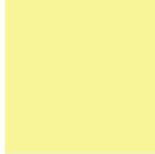
Original Color

88.9426, 0.4016, 0.5131



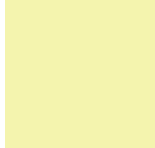
Protanomaly

87.9616, 0.3817, 0.4430



Deuteranomaly

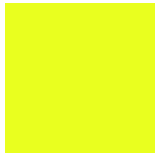
87.3460, 0.3712, 0.4229



Tritanomaly

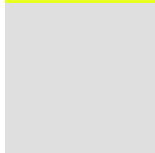
86.9905, 0.3561, 0.4008

Monochromacy



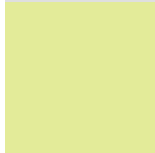
Original Color

88.9426, 0.4016, 0.5131



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

78.0475, 0.3593, 0.4177

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.9426, 0.4016, 0.5131 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(233, 255, 31)` looks like.

```
.text, #text, p{  
    color:rgb(233, 255, 31)  
}
```

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(233, 255, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(233, 255, 31) }
```

Border

The CSS property to change the border of an element to Yxy 88.9426, 0.4016, 0.5131 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(233, 255, 31) }
```

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

```
.border{ border-color:rgb(233, 255, 31) }
```

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

Here you see how a box with a 4 pixel rgb(233, 255, 31) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(233, 255, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(233, 255, 31);  
box-shadow:4px 4px 4px 4px rgb(233, 255,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 88.9426, 0.4016, 0.5131 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(233, 255, 31) }
```

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

```
.background{ background-color: rgb(233,  
255, 31) }
```

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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