

Converting Colors

$Yxy(87.0689, 0.3934, 0.5192)$

Have a look what the booklet for
Yxy(87.0689, 0.3934, 0.5192)
contains.

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Color

Yxy(86.9911, 0.3931, 0.5196)

Conversions

Conversions Part 1

Format	Color
Hex	DDFF1F
RGB	221, 255, 31
RGB Percent	87%, 100%, 12%
CMY	0.1336, 0.0000, 0.8785
CMYK	0.13, 0.00, 0.88, 0.00
HSL	69°, 100%, 56%
HSV	69°, 88%, 100%
XYZ	65.8126, 86.9911, 14.6157
YIQ	219.2980, 51.6400, -76.8720

Conversions

Conversions Part 2

Format	Color
R _Y B	31, 255, 65
Decimal	14548767
CIE Lab	94.73, -34.96, 88.52
CIE LCh	95, 95.171, 111.551
Yxy	86.9911, 0.3931, 0.5196
Android (android.graphics.Color)	4292738847 (0xFFDDFF1F)
YUV	219.2980, -92.8309, 1.4927
Hunter-Lab	93.2690, -37.2675, 55.9973

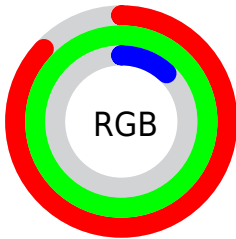
Details

The Yxy color **86.9911, 0.3931, 0.5196** is a light color, and the websafe version is hex **CCFF00**.

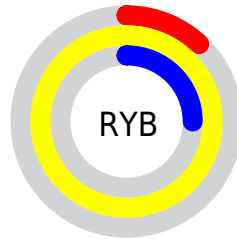
The color can be described as light washed yellow. A complement of this color would be **9.3236, 0.1653, 0.0744**, and the grayscale version is **71.6718, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7795, 0.3969, 0.4682**, and **47.9652, 0.3865, 0.5313** is the 20% darker color. If you saturate the color by 10%, you get **86.2936, 0.3925, 0.5257**, and if you desaturate by 10%, it is **87.7885, 0.3913, 0.5090**.

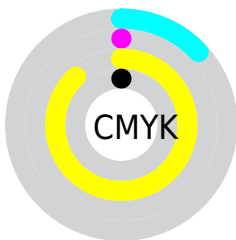
Distribution



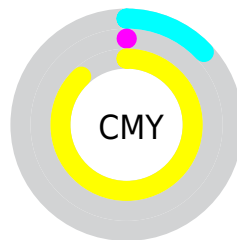
- Red (87%)
- Green (100%)
- Blue (12%)



- Red (12%)
- Yellow (100%)
- Blue (25%)



- Cyan (13%)
- Magenta (0%)
- Yellow (88%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (88%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.9911, 0.3931, 0.5196 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 86.9911, 0.3931, 0.5196 by changing the saturation by 10% instead.


 86.9911, 0.3931,
0.5196

 86.9911, 0.3931,
0.5196


518.1936, 0.3670,
0.4369

 65.4878, 0.3957,
0.5355


 143.1517, 0.3867,
0.4931


 47.8568, 0.3972,
0.5535


 178.5779, 0.3834,
0.4820


 33.7135, 0.3966,
0.5733


 219.4138, 0.3803,
0.4723

 22.6736, 0.3932,
0.5961

 266.0439, 0.3773,
0.4636

 14.3527, 0.3821,
0.6179

 318.8525, 0.3744,
0.4559

 8.3664, 0.3605,
0.6395


378.2241, 0.3718,


 4.3303, 0.3281,


0.4489


0.6719


444.5430, 0.3693,
0.4426


 1.8600, 0.2726,
0.7274


 0.5241, 0.0000,
1.0000

 86.9911, 0.3931,
0.5196


 86.9911, 0.3931,
0.5196


 86.2936, 0.3925,
0.5257

 87.7885, 0.3913,
0.5090


 86.1543, 0.3922,
0.5268


 88.7367, 0.3868,
0.4939


 89.8432, 0.3798,
0.4745

 91.1225, 0.3705,
0.4518

 92.5872, 0.3597,
0.4268

 94.2489, 0.3477,
0.4006

 96.1179, 0.3351,
0.3742

 98.2039, 0.3225,
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.



86.9911, 0.4758, 0.4591



86.9911, 0.3931, 0.5196



86.9911, 0.2961, 0.5184

Triad

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



86.9911, 0.3931, 0.5196



86.9911, 0.1399, 0.2190



86.9911, 0.4101, 0.2514

Complementary

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



86.9911, 0.3931, 0.5196



9.3236, 0.1653, 0.0744

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.



86.9911, 0.2988, 0.2034



86.9911, 0.3931, 0.5196



86.9911, 0.1583, 0.1820

Square

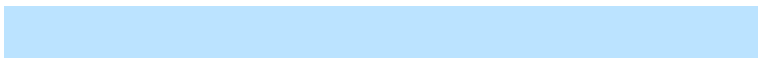
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.9911, 0.3931, 0.5196



86.9911, 0.1549, 0.3015



86.9911, 0.2102, 0.1789



86.9911, 0.4984, 0.3148

Rectangle

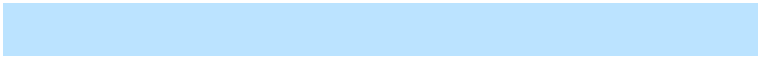
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.9911, 0.3931, 0.5196



86.9911, 0.2349, 0.4635



86.9911, 0.2102, 0.1789



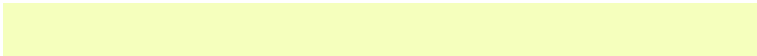
86.9911, 0.3727, 0.2332

Sweetspot

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



86.9817, 0.3931, 0.5196



94.5793, 0.3454, 0.3957



25.0912, 0.5997, 0.3471



20.1129, 0.3496, 0.4049



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.



86.9817, 0.3931, 0.5196



86.1543, 0.3922, 0.5268



74.8944, 0.3239, 0.5727



20.9426, 0.3245, 0.3526



45.0704, 0.3927, 0.5264



4.4245, 0.3959, 0.5239

Inverse Universe

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



9.3236, 0.1653, 0.0744



7.6468, 0.1552, 0.0629



17.4978, 0.2436, 0.1165



17.5103, 0.3002, 0.3046



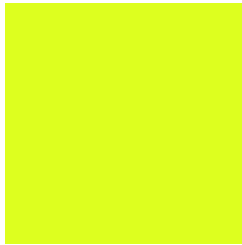
4.0349, 0.1561, 0.0634



0.4299, 0.1647, 0.0681

Previews

White Background



This preview shows how the Yxy color 86.9911, 0.3931, 0.5196 looks on a white background.

Color Contrast Check

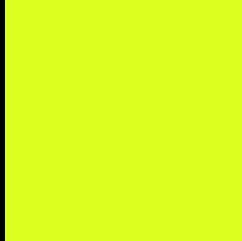
Large Text (above 18pt) WCAG AA × Fail

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 86.9911, 0.3931, 0.5196 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 86.9911, 0.3931, 0.5196

Background



This preview shows how black text looks on a background with the Yxy color 86.9911, 0.3931, 0.5196.



This preview shows how white text looks on a background with the Yxy color 86.9911, 0.3931, 0.5196.

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



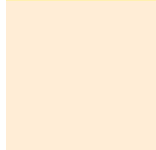
Original Color

86.9911, 0.3931, 0.5196



Protanopia

86.7148, 0.3638, 0.3932



Deuteranopia

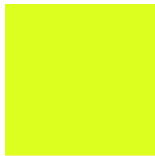
86.6834, 0.3397, 0.3520



Tritanopia

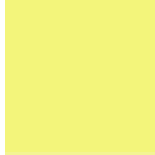
86.3136, 0.3038, 0.3111

Trichromacy



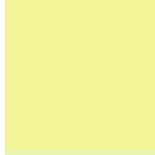
Original Color

86.9911, 0.3931, 0.5196



Protanomaly

85.7896, 0.3844, 0.4505



Deuteranomaly

85.8626, 0.3716, 0.4278



Tritanomaly

85.0810, 0.3484, 0.4027

Monochromacy



Original Color

86.9911, 0.3931, 0.5196



Achromatopsia

70.8376, 0.3127, 0.3290



Achromatomaly

75.1632, 0.3562, 0.4187

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.9911, 0.3931, 0.5196 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(221, 255, 31)` looks like.

```
.text, #text, p{  
    color:rgb(221, 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(221, 255, 31) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 31) }
```

Border

The CSS property to change the border of an element to Yxy 86.9911, 0.3931, 0.5196 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(221, 255, 31) }
```

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

```
.border{ border-color:rgb(221, 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(221, 255, 31)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 31); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 31);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
31) }
```


Background

The CSS property to change the background color of an element to Yxy 86.9911, 0.3931, 0.5196 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 255, 31) }
```

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

```
.background{ background-color: rgb(221,  
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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