

Converting Colors

$Y_{xy}(100.0000, 0.3968, 0.5584)$

Have a look what the booklet for
Yxy(100.0000, 0.3968, 0.5584)
contains.

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Color

Yxy(86.8922, 0.3956, 0.5241)

Conversions

Conversions Part 1

Format	Color
Hex	DDFF00
RGB	221, 255, 0
RGB Percent	87%, 100%, 0%
CMY	0.1332, 0.0000, 1.0000
CMYK	0.13, 0.00, 1.00, 0.00
HSL	68°, 100%, 50%
HSV	68°, 100%, 100%
XYZ	65.5878, 86.8922, 13.3132
YIQ	215.7640, 61.5910, -86.5130

Conversions

Conversions Part 2

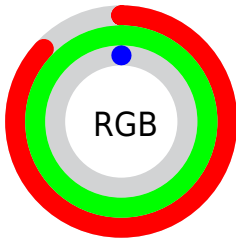
Format	Color
RYB	0, 255, 34
Decimal	14548736
CIELab	94.69, -35.28, 91.58
CIElCh	95, 98.144, 111.070
Yxy	86.8922, 0.3956, 0.5241
Android (android.graphics.Color)	4292738816 (0xFFDDFF00)
YUV	215.7640, -106.3717, 4.5920
Hunter-Lab	93.2160, -37.5334, 56.7833

Details

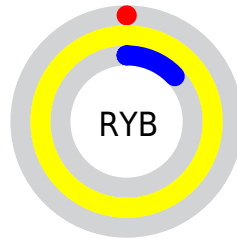
The Yxy color **86.8922, 0.3956, 0.5241** is a light color, and the websafe version is hex **CCFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.5591, 0.1542, 0.0623**, and the grayscale version is **69.2143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **47.9652, 0.3865, 0.5313** is the 20% darker color. If you saturate the color by 10%, you get **86.8962, 0.3956, 0.5241**, and if you desaturate by 10%, it is **87.5071, 0.3962, 0.5189**.

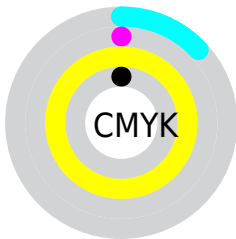
Distribution



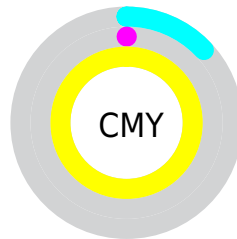
- Red (87%)
- Green (100%)
- Blue (0%)



- Red (0%)
- Yellow (100%)
- Blue (13%)



- Cyan (13%)
- Magenta (0%)
- Yellow (100%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (100%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8922, 0.3956, 0.5241 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 86.8922, 0.3956, 0.5241 by changing the saturation by 10% instead.

 86.8922, 0.3956,
0.5241


 86.8922, 0.3956,
0.5241


517.8686, 0.3692,
0.4402


 65.4060, 0.3980,
0.5400


 143.0139, 0.3894,
0.4974


 47.7904, 0.3991,
0.5577


 178.4181, 0.3861,
0.4862

 33.6609, 0.3979,
0.5770


 219.2305, 0.3829,
0.4763

 22.6332, 0.3945,
0.6004

 265.8355, 0.3798,
0.4675

 14.3229, 0.3810,
0.6190

 318.6174, 0.3769,
0.4596

 8.3456, 0.3591,
0.6409


 377.9606, 0.3742,


 4.3169, 0.3264,


0.4524


0.6736


444.2495, 0.3716,
0.4460


 1.8524, 0.2699,
0.7301


 0.5195, 0.0000,
1.0000


 86.8922, 0.3956,
0.5241


 86.8922, 0.3956,
0.5241

 86.8962, 0.3956,
0.5241


 87.5071, 0.3962,
0.5189

 88.2232, 0.3946,
0.5097


 89.0733, 0.3903,
0.4959


 90.0751, 0.3835,
0.4778

 91.2434, 0.3744,
0.4561

 92.5913, 0.3634,
0.4318

 94.1304, 0.3513,
0.4060

 95.8713, 0.3385,
0.3798

 97.8237, 0.3255,
0.3539

Harmonies

Analogous

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



86.8922, 0.4804, 0.4600



86.8922, 0.3956, 0.5241



86.8922, 0.2963, 0.5261

Triad

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



86.8922, 0.3956, 0.5241



86.8922, 0.1360, 0.2167



86.8922, 0.4112, 0.2484

Complementary

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



86.8922, 0.3956, 0.5241



7.5591, 0.1542, 0.0623

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.



86.8922, 0.2964, 0.1998



86.8922, 0.3956, 0.5241



86.8922, 0.1541, 0.1787

Square

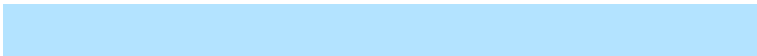
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.8922, 0.3956, 0.5241



86.8922, 0.1514, 0.3019



86.8922, 0.2063, 0.1753



86.8922, 0.5031, 0.3126

Rectangle

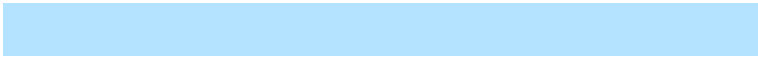
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



86.8922, 0.3956, 0.5241



86.8922, 0.2336, 0.4703



86.8922, 0.2063, 0.1753



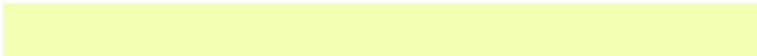
86.8922, 0.3725, 0.2299

Sweetspot

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



86.8962, 0.3956, 0.5241



94.1333, 0.3513, 0.4060



22.1753, 0.6322, 0.3362



20.0044, 0.3565, 0.4170



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.



86.8962, 0.3956, 0.5241



86.8989, 0.3956, 0.5241



74.1005, 0.3210, 0.5834



20.9609, 0.3248, 0.3526



45.4542, 0.3960, 0.5238



4.4583, 0.3988, 0.5215

Inverse Universe

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



7.5591, 0.1542, 0.0623



7.5593, 0.1542, 0.0623



14.4128, 0.2252, 0.1014



17.4937, 0.2999, 0.3046



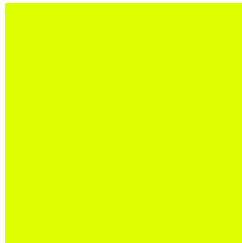
3.9853, 0.1550, 0.0627



0.4221, 0.1630, 0.0671

Previews

White Background



This preview shows how the Yxy color 86.8922, 0.3956, 0.5241 looks on a white background.

Color Contrast Check

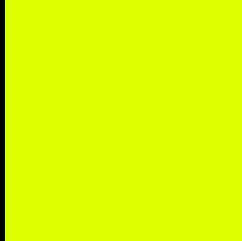
Large Text (above 18pt) WCAG AA × Fail

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 86.8922, 0.3956, 0.5241 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 86.8922, 0.3956, 0.5241

Background



This preview shows how black text looks on a background with the Yxy color 86.8922, 0.3956, 0.5241.

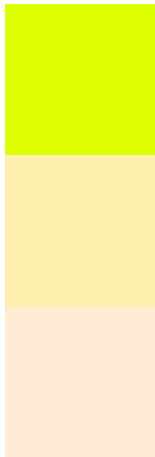


This preview shows how white text looks on a background with the Yxy color 86.8922, 0.3956, 0.5241.

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

86.8922, 0.3956, 0.5241

Protanopia

86.0881, 0.3648, 0.3933

Deuteranopia

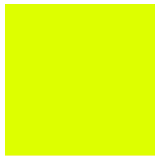
86.0550, 0.3405, 0.3520



Tritanopia

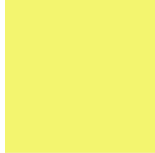
86.4891, 0.3044, 0.3112

Trichromacy



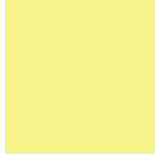
Original Color

86.8922, 0.3956, 0.5241



Protanomaly

85.5072, 0.3903, 0.4604



Deuteranomaly

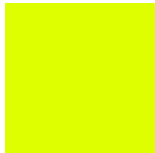
84.9334, 0.3782, 0.4373



Tritanomaly

84.8024, 0.3563, 0.4150

Monochromacy



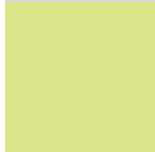
Original Color

86.8922, 0.3956, 0.5241



Achromatopsia

68.6685, 0.3127, 0.3290



Achromatomaly

73.3052, 0.3640, 0.4322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.8922, 0.3956, 0.5241 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(221, 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(221, 255, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 0) }
```

Border

The CSS property to change the border of an element to Yxy 86.8922, 0.3956, 0.5241 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, 0) }
```

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

```
.border{ border-color:rgb(221, 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(221, 255, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(221, 255, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(221, 255, 0);  
box-shadow:4px 4px 4px 4px rgb(221, 255,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 86.8922, 0.3956, 0.5241 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, 0) }
```

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

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