

Converting Colors

$Yxy(91.2643, 0.3755, 0.4914)$

Have a look what the booklet for
Yxy(91.2643, 0.3755, 0.4914)
contains.

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Color

Yxy(87.8758, 0.3774, 0.4881)

Conversions

Conversions Part 1

Format	Color
Hex	DEFF5F
RGB	222, 255, 95
RGB Percent	87%, 100%, 37%
CMY	0.1295, 0.0000, 0.6273
CMYK	0.13, 0.00, 0.63, 0.00
HSL	72°, 100%, 69%
HSV	72°, 63%, 100%
XYZ	67.9458, 87.8758, 24.2149
YIQ	226.8930, 31.6920, -56.7560

Conversions

Conversions Part 2

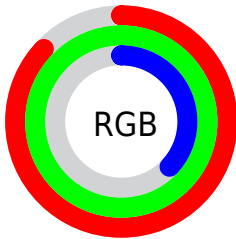
Format	Color
R _Y B	95, 255, 128
Decimal	14614367
CIE Lab	95.11, -31.84, 70.39
CIE LCh	95, 77.262, 114.340
Yxy	87.8758, 0.3774, 0.4881
Android (android.graphics.Color)	4292804447 (0xFFDEFF5F)
YUV	226.8930, -65.0232, -4.2912
Hunter-Lab	93.7421, -34.6690, 50.3040

Details

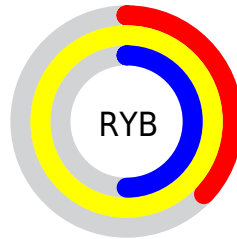
The Yxy color **87.8758, 0.3774, 0.4881** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **20.0052, 0.2100, 0.1353**, and the grayscale version is **77.1960, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.0470, 0.3734, 0.4293**, and **48.3850, 0.3847, 0.5204** is the 20% darker color. If you saturate the color by 10%, you get **86.6641, 0.3822, 0.5067**, and if you desaturate by 10%, it is **89.2593, 0.3702, 0.4658**.

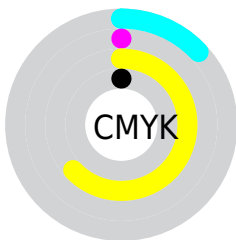
Distribution



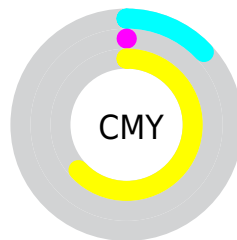
- Red (87%)
- Green (100%)
- Blue (37%)



- Red (37%)
- Yellow (100%)
- Blue (50%)



- Cyan (13%)
- Magenta (0%)
- Yellow (63%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.8758, 0.3774, 0.4881 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 87.8758, 0.3774, 0.4881 by changing the saturation by 10% instead.

 87.8758, 0.3774,
0.4881


 87.8758, 0.3774,
0.4881


521.0964, 0.3539,
0.4165


 66.2202, 0.3808,
0.5031


 144.3842, 0.3708,
0.4642


 48.4512, 0.3840,
0.5207


 180.0059, 0.3677,
0.4546

 34.1843, 0.3864,
0.5414


 221.0516, 0.3649,
0.4462

 23.0352, 0.3868,
0.5656

 267.9060, 0.3623,
0.4388

 14.6195, 0.3841,
0.5949

320.9532, 0.3599,
0.4323

 8.5528, 0.3730,
0.6270

380.5778, 0.3577,


 4.4507, 0.3441,


0.4265

0.6559

447.1640, 0.3557,
0.4212


 1.9287, 0.2964,
0.7036


 0.5656, 0.0000,
1.0000


 87.8758, 0.3774,
0.4881


 87.8758, 0.3774,
0.4881


 86.6641, 0.3822,
0.5067

 89.2593, 0.3702,
0.4658


 85.6173, 0.3845,
0.5208

 90.8370, 0.3610,
0.4408

 84.7136, 0.3841,
0.5301

 92.6181, 0.3505,
0.4144

 84.1264, 0.3825,
0.5345

 94.6137, 0.3392,
0.3875

96.8339, 0.3275,
0.3610

99.2881, 0.3158,
0.3357

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.



87.8758, 0.4469, 0.4484



87.8758, 0.3774, 0.4881



87.8758, 0.2954, 0.4738

Triad

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



87.8758, 0.3774, 0.4881



87.8758, 0.1661, 0.2350



87.8758, 0.4005, 0.2696

Complementary

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



87.8758, 0.3774, 0.4881



20.0052, 0.2100, 0.1353

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.



87.8758, 0.3107, 0.2259



87.8758, 0.3774, 0.4881



87.8758, 0.1848, 0.2040

Square

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



87.8758, 0.3774, 0.4881



87.8758, 0.1779, 0.3015



87.8758, 0.2335, 0.2025



87.8758, 0.4679, 0.3262

Rectangle

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



87.8758, 0.3774, 0.4881



87.8758, 0.2444, 0.4267



87.8758, 0.2335, 0.2025



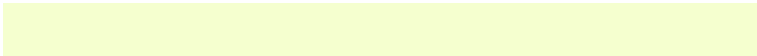
87.8758, 0.3711, 0.2531

Sweetspot

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



87.8728, 0.3774, 0.4881



95.4151, 0.3348, 0.3775



37.2735, 0.4917, 0.3601



20.2906, 0.3382, 0.3852



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.



87.8728, 0.3774, 0.4881



86.4129, 0.3830, 0.5103



78.1889, 0.3262, 0.5189



20.8903, 0.3237, 0.3527



44.0237, 0.3832, 0.5340



4.3318, 0.3875, 0.5305

Inverse Universe

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



20.0052, 0.2100, 0.1353



13.7560, 0.1886, 0.1018



28.6783, 0.2749, 0.1646



17.5583, 0.3011, 0.3046



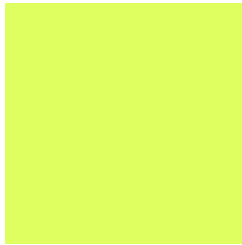
4.2134, 0.1602, 0.0656



0.4541, 0.1702, 0.0711

Previews

White Background



This preview shows how the Yxy color 87.8758, 0.3774, 0.4881 looks on a white background.

Color Contrast Check

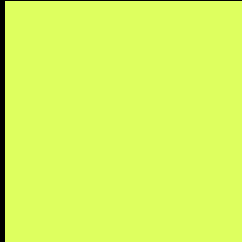
Large Text (above 18pt) WCAG AA × Fail

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 87.8758, 0.3774, 0.4881 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 87.8758, 0.3774, 0.4881

Background



This preview shows how black text looks on a background with the Yxy color 87.8758, 0.3774, 0.4881.

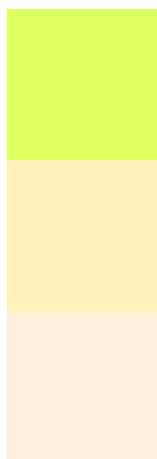


This preview shows how white text looks on a background with the Yxy color 87.8758, 0.3774, 0.4881.

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

87.8758, 0.3774, 0.4881

Protanopia

87.5895, 0.3591, 0.3871

Deuteranopia

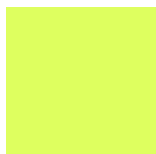
87.4710, 0.3369, 0.3489



Tritanopia

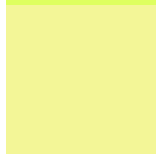
87.4783, 0.3037, 0.3131

Trichromacy



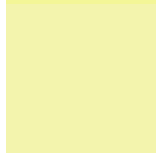
Original Color

87.8758, 0.3774, 0.4881



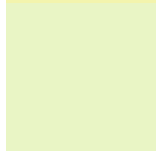
Protanomaly

87.2006, 0.3686, 0.4257



Deuteranomaly

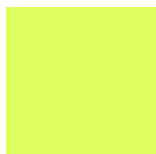
86.7732, 0.3560, 0.4020



Tritanomaly

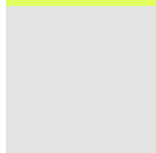
86.6597, 0.3340, 0.3792

Monochromacy



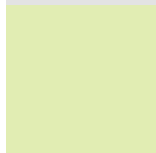
Original Color

87.8758, 0.3774, 0.4881



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

79.8306, 0.3411, 0.3919

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8758, 0.3774, 0.4881 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(222, 255, 95)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 95)  
}
```

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(222, 255, 95) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 95) }
```

Border

The CSS property to change the border of an element to Yxy 87.8758, 0.3774, 0.4881 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(222, 255, 95) }
```

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

```
.border{ border-color:rgb(222, 255, 95) }
```

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

Here you see how a box with a 4 pixel rgb(222, 255, 95) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 95); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 95);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
95) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8758, 0.3774, 0.4881 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 95) }
```

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

```
.background{ background-color: rgb(222,  
255, 95) }
```

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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