

Converting Colors

$Y_{xy}(100.0000, 0.3685, 0.5062)$

Have a look what the booklet for
Yxy(100.0000, 0.3685, 0.5062)
contains.

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Color

Yxy(87.1300, 0.3772, 0.4947)

Conversions

Conversions Part 1

Format	Color
Hex	DAFF58
RGB	218, 255, 88
RGB Percent	85%, 100%, 35%
CMY	0.1451, 0.0000, 0.6546
CMYK	0.15, 0.00, 0.65, 0.00
HSL	73°, 100%, 67%
HSV	73°, 65%, 100%
XYZ	66.4351, 87.1300, 22.5619
YIQ	224.8990, 31.5550, -59.7810

Conversions

Conversions Part 2

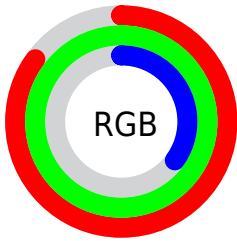
Format	Color
R _Y B	88, 255, 125
Decimal	14352216
CIE Lab	94.79, -33.82, 72.67
CIE LCh	95, 80.159, 114.958
Yxy	87.1300, 0.3772, 0.4947
Android (android.graphics.Color)	4292542296 (0xFFDAFF58)
YUV	224.8990, -67.4912, -6.0504
Hunter-Lab	93.3435, -36.3077, 51.0095

Details

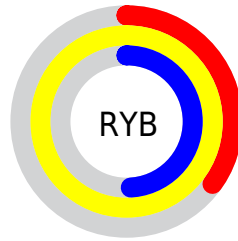
The Yxy color **87.1300, 0.3772, 0.4947** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **18.5758, 0.2067, 0.1279**, and the grayscale version is **75.6990, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.8243, 0.3772, 0.4356**, and **47.8061, 0.3827, 0.5286** is the 20% darker color. If you saturate the color by 10%, you get **85.9214, 0.3811, 0.5124**, and if you desaturate by 10%, it is **88.5156, 0.3709, 0.4730**.

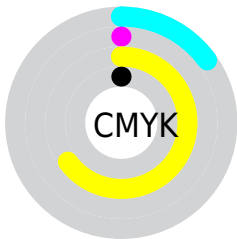
Distribution



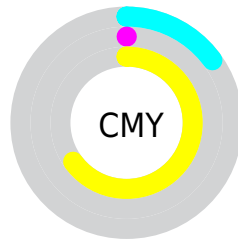
- Red (85%)
- Green (100%)
- Blue (35%)



- Red (35%)
- Yellow (100%)
- Blue (49%)



- Cyan (15%)
- Magenta (0%)
- Yellow (65%)
- Black (0%)





- Cyan (15%)
- Magenta (0%)
- Yellow (65%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.1300, 0.3772, 0.4947 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 87.1300, 0.3772, 0.4947 by changing the saturation by 10% instead.


 87.1300, 0.3772,
0.4947

 87.1300, 0.3772,
0.4947


518.6499, 0.3543,
0.4201

 65.6028, 0.3803,
0.5103


 143.3453, 0.3709,
0.4698


 47.9500, 0.3830,
0.5285


 178.8022, 0.3680,
0.4598

 33.7873, 0.3846,
0.5498


 219.6712, 0.3652,
0.4511

 22.7303, 0.3839,
0.5746

 266.3365, 0.3627,
0.4434

 14.3945, 0.3805,
0.6061

319.1827, 0.3603,
0.4366

 8.3955, 0.3649,
0.6351


378.5940, 0.3582,


 4.3491, 0.3337,


0.4305


0.6663


444.9550, 0.3561,
0.4250


 1.8707, 0.2809,
0.7191


 0.5307, 0.0000,
1.0000


 87.1300, 0.3772,
0.4947

 87.1300, 0.3772,
0.4947

 85.9214, 0.3811,
0.5124

 88.5156, 0.3709,
0.4730

 84.8740, 0.3823,
0.5255


 90.0931, 0.3625,
0.4484

 83.9674, 0.3810,
0.5339

 91.8747, 0.3526,
0.4220

 83.5894, 0.3799,
0.5366

 93.8718, 0.3417,
0.3950

 96.0949, 0.3303,
0.3682

 98.5536, 0.3189,
0.3425

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.



87.1300, 0.4498, 0.4529



87.1300, 0.3772, 0.4947



87.1300, 0.2924, 0.4793

Triad

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



87.1300, 0.3772, 0.4947



87.1300, 0.1615, 0.2303



87.1300, 0.4057, 0.2684

Complementary

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



87.1300, 0.3772, 0.4947



18.5758, 0.2067, 0.1279

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.



87.1300, 0.3122, 0.2232



87.1300, 0.3772, 0.4947



87.1300, 0.1813, 0.1995

Square

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



87.1300, 0.3772, 0.4947



87.1300, 0.1727, 0.2981



87.1300, 0.2320, 0.1988



87.1300, 0.4750, 0.3267

Rectangle

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



87.1300, 0.3772, 0.4947



87.1300, 0.2400, 0.4293



87.1300, 0.2320, 0.1988



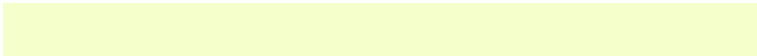
87.1300, 0.3751, 0.2515

Sweetspot

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



87.1298, 0.3772, 0.4947



95.0579, 0.3355, 0.3803



36.4399, 0.5008, 0.3633



20.2139, 0.3387, 0.3878



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.



87.1298, 0.3772, 0.4947



85.5336, 0.3818, 0.5176



77.4068, 0.3244, 0.5278



20.8757, 0.3235, 0.3527



43.7463, 0.3805, 0.5361



4.3071, 0.3852, 0.5324

Inverse Universe

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



18.5758, 0.2067, 0.1279



12.4250, 0.1841, 0.0937



27.5770, 0.2752, 0.1599



17.5719, 0.3013, 0.3047



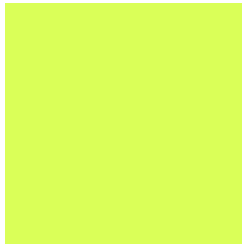
4.2733, 0.1616, 0.0664



0.4618, 0.1719, 0.0721

Previews

White Background



This preview shows how the Yxy color 87.1300, 0.3772, 0.4947 looks on a white background.

Color Contrast Check

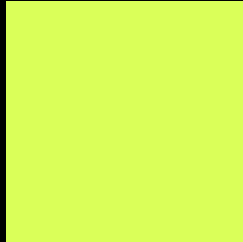
Large Text (above 18pt) WCAG AA × Fail

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 87.1300, 0.3772, 0.4947 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 87.1300, 0.3772, 0.4947

Background



This preview shows how black text looks on a background with the Yxy color 87.1300, 0.3772, 0.4947.

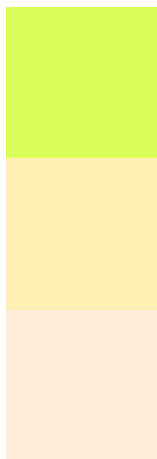


This preview shows how white text looks on a background with the Yxy color 87.1300, 0.3772, 0.4947.

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

87.1300, 0.3772, 0.4947

Protanopia

86.7945, 0.3625, 0.3912

Deuteranopia

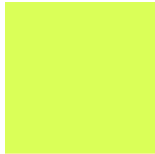
86.7347, 0.3390, 0.3510



Tritanopia

86.9575, 0.3018, 0.3131

Trichromacy



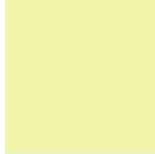
Original Color

87.1300, 0.3772, 0.4947



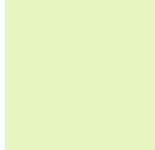
Protanomaly

86.2264, 0.3717, 0.4309



Deuteranomaly

86.4432, 0.3578, 0.4063



Tritanomaly

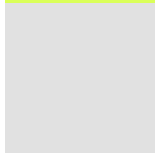
86.0229, 0.3338, 0.3828

Monochromacy



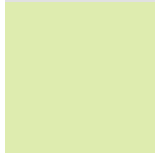
Original Color

87.1300, 0.3772, 0.4947



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

78.6156, 0.3416, 0.3958

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.1300, 0.3772, 0.4947 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(218, 255, 88)` looks like.

```
.text, #text, p{  
    color:rgb(218, 255, 88)  
}
```

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(218, 255, 88) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(218, 255, 88) }
```

Border

The CSS property to change the border of an element to Yxy 87.1300, 0.3772, 0.4947 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(218, 255, 88) }
```

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

```
.border{ border-color:rgb(218, 255, 88) }
```

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

Here you see how a box with a 4 pixel `rgb(218, 255, 88)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(218, 255, 88); -webkit-box-  
shadow:4px 4px 4px 4px rgb(218, 255, 88);  
box-shadow:4px 4px 4px 4px rgb(218, 255,  
88) }
```


Background

The CSS property to change the background color of an element to Yxy 87.1300, 0.3772, 0.4947 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(218, 255, 88) }
```

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

```
.background{ background-color: rgb(218,  
255, 88) }
```

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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