

Converting Colors

$Yxy(90.0078, 0.3717, 0.5045)$

Have a look what the booklet for
Yxy(90.0078, 0.3717, 0.5045)
contains.

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Color

Yxy(86.1416, 0.3748, 0.5007)

Conversions

Conversions Part 1

Format	Color
Hex	D4FF53
RGB	212, 255, 83
RGB Percent	83%, 100%, 33%
CMY	0.1685, 0.0000, 0.6743
CMYK	0.17, 0.00, 0.67, 0.00
HSL	75°, 100%, 66%
HSV	75°, 67%, 100%
XYZ	64.4815, 86.1416, 21.4193
YIQ	222.5350, 29.5840, -62.6080

Conversions

Conversions Part 2

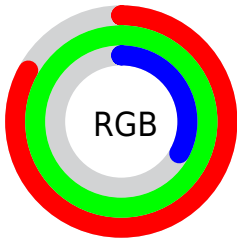
Format	Color
RYB	83, 255, 126
Decimal	13958995
CIELab	94.37, -36.40, 73.98
CIELCh	94, 82.452, 116.200
Yxy	86.1416, 0.3748, 0.5007
Android (android.graphics.Color)	4292149075 (0xFFD4FF53)
YUV	222.5350, -68.7908, -9.2392
Hunter-Lab	92.8125, -38.4090, 51.2858

Details

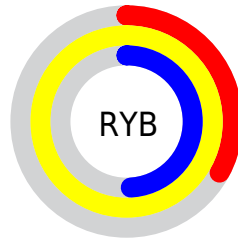
The Yxy color **86.1416, 0.3748, 0.5007** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **17.8485, 0.2065, 0.1239**, and the grayscale version is **73.9355, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.7031, 0.3793, 0.4391**, and **47.2648, 0.3801, 0.5356** is the 20% darker color. If you saturate the color by 10%, you get **84.8927, 0.3777, 0.5182**, and if you desaturate by 10%, it is **87.5804, 0.3694, 0.4791**.

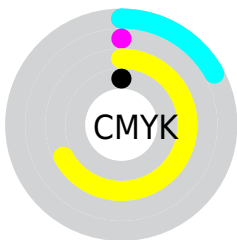
Distribution



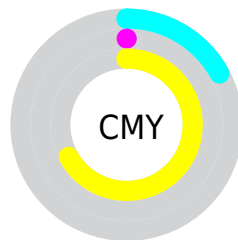
- Red (83%)
- Green (100%)
- Blue (33%)



- Red (33%)
- Yellow (100%)
- Blue (49%)



- Cyan (17%)
- Magenta (0%)
- Yellow (67%)
- Black (0%)





- Cyan (17%)
- Magenta (0%)
- Yellow (67%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.1416, 0.3748, 0.5007 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 86.1416, 0.3748, 0.5007 by changing the saturation by 10% instead.


 86.1416, 0.3748,
0.5007


 86.1416, 0.3748,
0.5007


515.3980, 0.3534,
0.4231

 64.7851, 0.3774,
0.5169


 141.9671, 0.3691,
0.4748


 47.2868, 0.3795,
0.5359

 177.2048, 0.3664,
0.4644

 33.2625, 0.3803,
0.5582


 217.8384, 0.3638,
0.4553

 22.3276, 0.3782,
0.5840

 264.2522, 0.3614,
0.4472

 14.0978, 0.3739,
0.6183

316.8307, 0.3592,
0.4401

 8.1887, 0.3540,
0.6460

375.9582, 0.3571,

 4.2159, 0.3198,

0.4338

0.6802

442.0192, 0.3552,
0.4282

■ 1.7951, 0.2579,
0.7421

■ 0.4841, 0.0000,
1.0000

■ 86.1416, 0.3748,
0.5007

■ 86.1416, 0.3748,
0.5007

■ 84.8927, 0.3777,
0.5182

■ 87.5804, 0.3694,
0.4791

■ 83.8048, 0.3779,
0.5309


■ 89.2121, 0.3619,
0.4545

■ 82.8596, 0.3757,
0.5389

■ 91.0536, 0.3528,
0.4279

■ 82.6318, 0.3749,
0.5405

■ 93.1164, 0.3425,
0.4006

 95.4115, 0.3317,
0.3736

 97.9486, 0.3208,
0.3475

99.9980, 0.3127,
0.3290

Harmonies

Analogous

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



86.1416, 0.4506, 0.4581



86.1416, 0.3748, 0.5007



86.1416, 0.2877, 0.4826

Triad

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



86.1416, 0.3748, 0.5007



86.1416, 0.1579, 0.2252



86.1416, 0.4124, 0.2689

Complementary

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



86.1416, 0.3748, 0.5007



17.8485, 0.2065, 0.1239

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.



86.1416, 0.3159, 0.2220



86.1416, 0.3748, 0.5007



86.1416, 0.1794, 0.1954

Square

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



86.1416, 0.3748, 0.5007



86.1416, 0.1677, 0.2930



86.1416, 0.2324, 0.1960



86.1416, 0.4820, 0.3287

Rectangle

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



86.1416, 0.3748, 0.5007



86.1416, 0.2345, 0.4289



86.1416, 0.2324, 0.1960



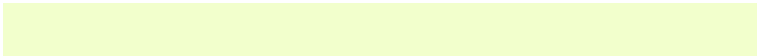
86.1416, 0.3810, 0.2514

Sweetspot

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



86.1455, 0.3748, 0.5007



94.8026, 0.3345, 0.3804



36.0913, 0.5065, 0.3663



20.1521, 0.3376, 0.3880



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.



86.1455, 0.3748, 0.5007



84.4892, 0.3780, 0.5233



76.8022, 0.3225, 0.5343



20.8488, 0.3230, 0.3528



43.2522, 0.3757, 0.5399



4.2627, 0.3808, 0.5358

Inverse Universe

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



17.8485, 0.2065, 0.1239



12.0833, 0.1846, 0.0915



26.9887, 0.2764, 0.1571



17.5969, 0.3018, 0.3047



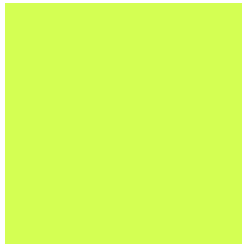
4.3957, 0.1643, 0.0679



0.4768, 0.1752, 0.0739

Previews

White Background



This preview shows how the Yxy color 86.1416, 0.3748, 0.5007 looks on a white background.

Color Contrast Check

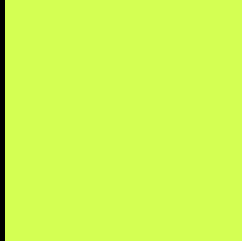
Large Text (above 18pt) WCAG AA × Fail

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 86.1416, 0.3748, 0.5007 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 86.1416, 0.3748, 0.5007

Background



This preview shows how black text looks on a background with the Yxy color 86.1416, 0.3748, 0.5007.

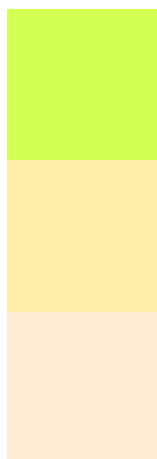


This preview shows how white text looks on a background with the Yxy color 86.1416, 0.3748, 0.5007.

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

86.1416, 0.3748, 0.5007

Protanopia

85.3114, 0.3683, 0.3973

Deuteranopia

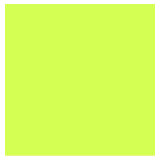
85.4301, 0.3413, 0.3520



Tritanopia

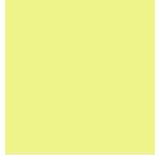
85.5249, 0.2987, 0.3119

Trichromacy



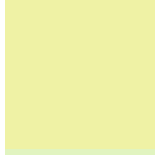
Original Color

86.1416, 0.3748, 0.5007



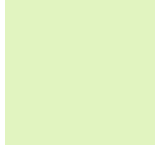
Protanomaly

84.8871, 0.3738, 0.4375



Deuteranomaly

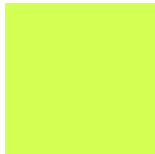
84.5716, 0.3586, 0.4091



Tritanomaly

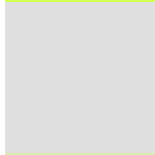
84.5147, 0.3318, 0.3846

Monochromacy



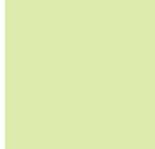
Original Color

86.1416, 0.3748, 0.5007



Achromatopsia

73.7910, 0.3127, 0.3290



Achromatomaly

77.4553, 0.3416, 0.3986

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.1416, 0.3748, 0.5007 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(212, 255, 83)` looks like.

```
.text, #text, p{  
    color:rgb(212, 255, 83)  
}
```

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(212, 255, 83) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 255, 83) }
```

Border

The CSS property to change the border of an element to Yxy 86.1416, 0.3748, 0.5007 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(212, 255, 83) }
```

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

```
.border{ border-color:rgb(212, 255, 83) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 255, 83)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 255, 83); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 255, 83);  
box-shadow:4px 4px 4px 4px rgb(212, 255,  
83) }
```


Background

The CSS property to change the background color of an element to Yxy 86.1416, 0.3748, 0.5007 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 255, 83) }
```

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

```
.background{ background-color: rgb(212,  
255, 83) }
```

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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