

Converting Colors

Yxy(83.2106, 0.3948, 0.5217)

Have a look what the booklet for
Yxy(83.2106, 0.3948, 0.5217)
contains.

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Color

Yxy(83.1666, 0.3947, 0.5218)

Conversions

Conversions Part 1

Format	Color
Hex	D9FA12
RGB	217, 250, 18
RGB Percent	85%, 98%, 7%
CMY	0.1490, 0.0196, 0.9294
CMYK	0.13, 0.00, 0.93, 0.02
HSL	69°, 96%, 53%
HSV	69°, 93%, 98%
XYZ	62.9089, 83.1666, 13.3086
YIQ	213.6850, 54.8040, -79.1480

Conversions

Conversions Part 2

Format	Color
R _Y B	18, 250, 51
Decimal	14285330
CIE Lab	93.09, -34.46, 88.83
CIE LCh	93, 95.278, 111.206
Yxy	83.1666, 0.3947, 0.5218
Android (android.graphics.Color)	4292475410 (0xFFD9FA12)
YUV	213.6850, -96.4727, 2.9073
Hunter-Lab	91.1957, -36.4592, 55.1846

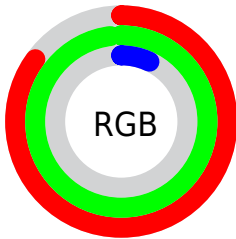
Details

The Yxy color **83.1666, 0.3947, 0.5218** 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 **8.0398, 0.1598, 0.0682**, and the grayscale version is **67.6580, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6618, 0.3994, 0.4723**, and **45.7517, 0.3859, 0.5318** is the 20% darker color. If you saturate the color by 10%, you get **82.7371, 0.3940, 0.5254**, and if you desaturate by 10%, it is **83.8522, 0.3939, 0.5137**.

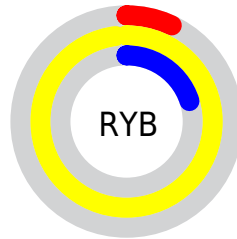
Distribution



Red (85%)

Green (98%)

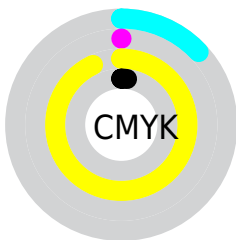
Blue (7%)



Red (7%)

Yellow (98%)

Blue (20%)

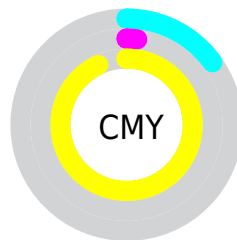


Cyan (13%)

Magenta (0%)

Yellow (93%)

Black (2%)



Cyan (15%)


Magenta (2%)

Yellow (93%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 83.1666, 0.3947, 0.5218 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 83.1666, 0.3947, 0.5218 by changing the saturation by 10% instead.


 83.1666, 0.3947,
0.5218

 83.1666, 0.3947,
0.5218


505.5416, 0.3680,
0.4378

 62.3276, 0.3972,
0.5379


 137.8088, 0.3882,
0.4949


 45.2975, 0.3986,
0.5560


 172.3807, 0.3849,
0.4837

 31.6918, 0.3976,
0.5759

 212.2991, 0.3817,
0.4738

 21.1262, 0.3944,
0.6002

 257.9484, 0.3786,
0.4649

 13.2163, 0.3806,
0.6194

 309.7128, 0.3757,
0.4571

 7.5776, 0.3580,
0.6420


 367.9769, 0.3729,


 3.8259, 0.3236,

0.4500


0.6764


433.1251, 0.3704,
0.4436


 1.5767, 0.2536,
0.7464


 0.3418, 0.0000,
1.0000


 83.1666, 0.3947,
0.5218


 83.1666, 0.3947,
0.5218

 82.7371, 0.3940,
0.5254

 83.8522, 0.3939,
0.5137

 84.6581, 0.3906,
0.5009

 85.6059, 0.3846,
0.4838

 86.7104, 0.3762,
0.4628

87.9844, 0.3659,
0.4390

89.4394, 0.3542,
0.4134

91.0857, 0.3417,
0.3871

92.9328, 0.3289,
0.3610

94.9897, 0.3162,
0.3358

Harmonies

Analogous

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



83.1666, 0.4784, 0.4593



83.1666, 0.3947, 0.5218



83.1666, 0.2965, 0.5225

Triad

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



83.1666, 0.3947, 0.5218



83.1666, 0.1379, 0.2180



83.1666, 0.4103, 0.2497

Complementary

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



83.1666, 0.3947, 0.5218



8.0398, 0.1598, 0.0682

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.



83.1666, 0.2972, 0.2014



83.1666, 0.3947, 0.5218



83.1666, 0.1560, 0.1804

Square

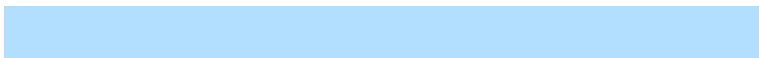
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



83.1666, 0.3947, 0.5218



83.1666, 0.1532, 0.3020



83.1666, 0.2080, 0.1770



83.1666, 0.5006, 0.3134

Rectangle

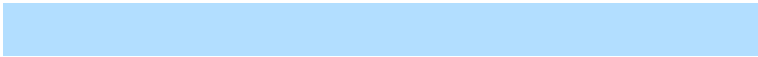
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



83.1666, 0.3947, 0.5218



83.1666, 0.2345, 0.4674



83.1666, 0.2080, 0.1770



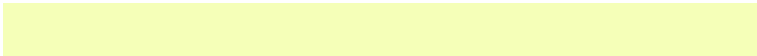
83.1666, 0.3722, 0.2313

Sweetspot

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



83.1704, 0.3947, 0.5218



94.3476, 0.3483, 0.4009



22.5607, 0.6158, 0.3419



20.0396, 0.3537, 0.4122



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.



83.1704, 0.3947, 0.5218



86.5358, 0.3940, 0.5254



71.3075, 0.3232, 0.5777



20.0582, 0.3247, 0.3526



43.9318, 0.3944, 0.5250



4.1021, 0.3976, 0.5225

Inverse Universe

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



8.0398, 0.1598, 0.0682



7.6002, 0.1547, 0.0626



15.3284, 0.2356, 0.1095



16.7615, 0.3001, 0.3046



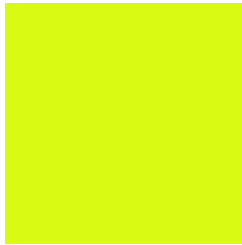
3.8921, 0.1556, 0.0631



0.3953, 0.1644, 0.0679

Previews

White Background



This preview shows how the Yxy color 83.1666, 0.3947, 0.5218 looks on a white background.

Color Contrast Check

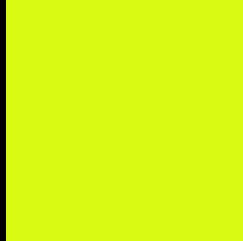
Large Text (above 18pt) WCAG AA × Fail

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 83.1666, 0.3947, 0.5218 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 83.1666, 0.3947, 0.5218

Background



This preview shows how black text looks on a background with the Yxy color 83.1666, 0.3947, 0.5218.

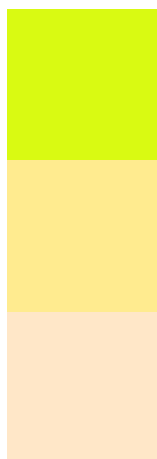


This preview shows how white text looks on a background with the Yxy color 83.1666, 0.3947, 0.5218.

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

83.1666, 0.3947, 0.5218

Protanopia

82.6598, 0.3863, 0.4206

Deuteranopia

82.5820, 0.3501, 0.3603



Tritanopia

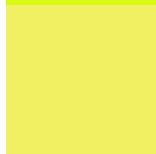
82.5111, 0.3036, 0.3098

Trichromacy



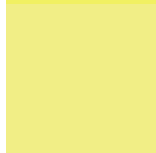
Original Color

83.1666, 0.3947, 0.5218



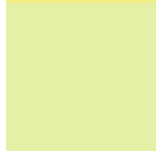
Protanomaly

81.9028, 0.3974, 0.4674



Deuteranomaly

81.5711, 0.3799, 0.4356



Tritanomaly

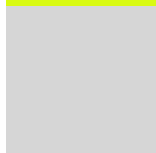
81.1442, 0.3516, 0.4072

Monochromacy



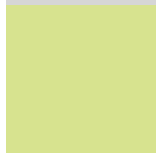
Original Color

83.1666, 0.3947, 0.5218



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

71.3684, 0.3590, 0.4238

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.1666, 0.3947, 0.5218 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(217, 250, 18)` looks like.

```
.text, #text, p{  
    color:rgb(217, 250, 18)  
}
```

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(217, 250, 18) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(217, 250, 18) }
```

Border

The CSS property to change the border of an element to Yxy 83.1666, 0.3947, 0.5218 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(217, 250, 18) }
```

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

```
.border{ border-color:rgb(217, 250, 18) }
```

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

Here you see how a box with a 4 pixel `rgb(217, 250, 18)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(217, 250, 18); -webkit-box-  
shadow:4px 4px 4px 4px rgb(217, 250, 18);  
box-shadow:4px 4px 4px 4px rgb(217, 250,  
18) }
```


Background

The CSS property to change the background color of an element to Yxy 83.1666, 0.3947, 0.5218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(217, 250, 18) }
```

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

```
.background{ background-color: rgb(217,  
250, 18) }
```

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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