

Converting Colors

$Yxy(87.5173, 0.3915, 0.5120)$

Have a look what the booklet for
Yxy(87.5173, 0.3915, 0.5120)
contains.

Yxy(87.4470, 0.3912, 0.5122)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.4470, 0.3912, 0.5122)

Conversions

Conversions Part 1

Format	Color
Hex	DFFF33
RGB	223, 255, 51
RGB Percent	87%, 100%, 20%
CMY	0.1255, 0.0000, 0.7999
CMYK	0.13, 0.00, 0.80, 0.00
HSL	69°, 100%, 60%
HSV	69°, 80%, 100%
XYZ	66.7889, 87.4470, 16.4923
YIQ	222.1760, 46.4120, -70.2280

Conversions

Conversions Part 2

Format	Color
R _Y B	51, 255, 83
Decimal	14679859
CIE Lab	94.93, -33.62, 84.64
CIE LCh	95, 91.074, 111.660
Yxy	87.4470, 0.3912, 0.5122
Android (android.graphics.Color)	4292869939 (0xFFDFFF33)
YUV	222.1760, -84.3898, 0.7226
Hunter-Lab	93.5131, -36.1597, 55.0025

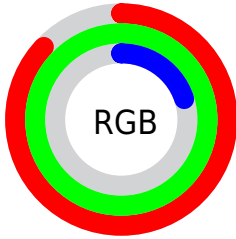
Details

The Yxy color **87.4470, 0.3912, 0.5122** is a light color, and the websafe version is hex **CCFF33**.

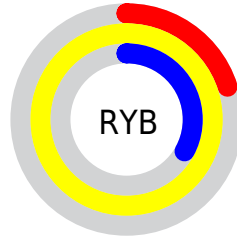
The color can be described as light washed yellow. A complement of this color would be **11.4299, 0.1756, 0.0880**, and the grayscale version is **73.7626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0410, 0.3917, 0.4595**, and **48.1747, 0.3883, 0.5299** is the 20% darker color. If you saturate the color by 10%, you get **86.6521, 0.3924, 0.5219**, and if you desaturate by 10%, it is **88.3798, 0.3874, 0.4979**.

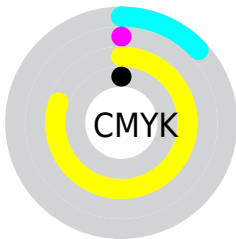
Distribution



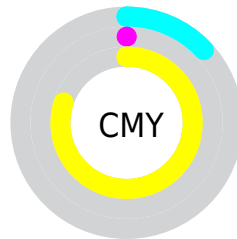
- Red (87%)
- Green (100%)
- Blue (20%)



- Red (20%)
- Yellow (100%)
- Blue (33%)



- Cyan (13%)
- Magenta (0%)
- Yellow (80%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.4470, 0.3912, 0.5122 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 87.4470, 0.3912, 0.5122 by changing the saturation by 10% instead.


 87.4470, 0.3912,
0.5122


 87.4470, 0.3912,
0.5122


519.6906, 0.3648,
0.4322

 65.8652, 0.3942,
0.5279


 143.7870, 0.3844,
0.4863

 48.1630, 0.3964,
0.5458


 179.3140, 0.3811,
0.4756

 33.9560, 0.3968,
0.5657


 220.2582, 0.3779,
0.4662

 22.8598, 0.3940,
0.5879

 267.0039, 0.3749,
0.4578

 14.4900, 0.3866,
0.6134

 319.9357, 0.3721,
0.4503

 8.4622, 0.3660,
0.6340


379.4377, 0.3695,

 4.3921, 0.3351,


0.4437


0.6649


445.8946, 0.3670,
0.4376


 1.8952, 0.2836,
0.7164


 0.5455, 0.0000,
1.0000


 87.4470, 0.3912,
0.5122


 87.4470, 0.3912,
0.5122


 86.6521, 0.3924,
0.5219


 88.3798, 0.3874,
0.4979

 85.9666, 0.3914,
0.5275


 89.4686, 0.3809,
0.4793


 85.9660, 0.3914,
0.5275

 90.7282, 0.3722,
0.4571

 92.1715, 0.3618,
0.4324

 93.8104, 0.3500,
0.4063

 95.6553, 0.3377,
0.3799

 97.7162, 0.3251,
0.3539

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.



87.4470, 0.4704, 0.4561



87.4470, 0.3912, 0.5122



87.4470, 0.2976, 0.5087

Triad

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



87.4470, 0.3912, 0.5122



87.4470, 0.1457, 0.2236



87.4470, 0.4064, 0.2547

Complementary

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



87.4470, 0.3912, 0.5122



11.4299, 0.1756, 0.0880

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.



87.4470, 0.3001, 0.2079



87.4470, 0.3912, 0.5122



87.4470, 0.1636, 0.1872

Square

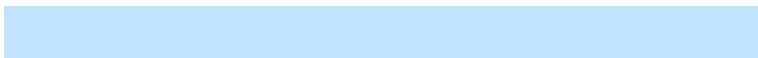
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.4470, 0.3912, 0.5122



87.4470, 0.1606, 0.3031



87.4470, 0.2145, 0.1840



87.4470, 0.4905, 0.3165

Rectangle

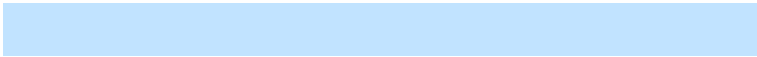
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.4470, 0.3912, 0.5122



87.4470, 0.2384, 0.4563



87.4470, 0.2145, 0.1840



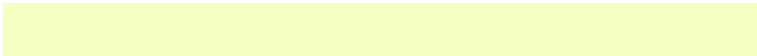
87.4470, 0.3708, 0.2370

Sweetspot

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



87.4469, 0.3912, 0.5122



94.8902, 0.3427, 0.3905



27.4767, 0.5719, 0.3506



20.1710, 0.3471, 0.3999



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.



87.4469, 0.3912, 0.5122



86.2318, 0.3919, 0.5255



75.9272, 0.3272, 0.5590



20.9380, 0.3245, 0.3527



44.9732, 0.3918, 0.5271



4.4160, 0.3951, 0.5245

Inverse Universe

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



11.4299, 0.1756, 0.0880



8.0847, 0.1583, 0.0659



19.7318, 0.2510, 0.1273



17.5145, 0.3003, 0.3046



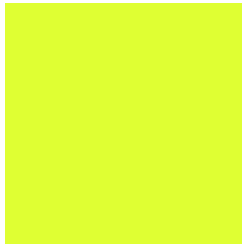
4.0487, 0.1565, 0.0636



0.4319, 0.1652, 0.0684

Previews

White Background



This preview shows how the Yxy color 87.4470, 0.3912, 0.5122 looks on a white background.

Color Contrast Check

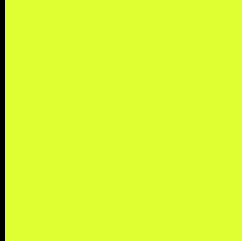
Large Text (above 18pt) WCAG AA × Fail

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 87.4470, 0.3912, 0.5122 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 87.4470, 0.3912, 0.5122

Background



This preview shows how black text looks on a background with the Yxy color 87.4470, 0.3912, 0.5122.

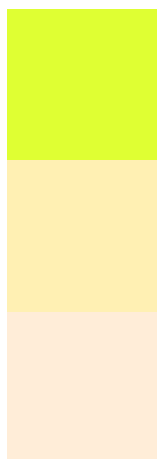


This preview shows how white text looks on a background with the Yxy color 87.4470, 0.3912, 0.5122.

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

87.4470, 0.3912, 0.5122

Protanopia

86.8348, 0.3619, 0.3902

Deuteranopia

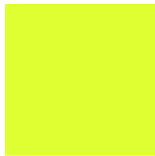
86.7862, 0.3384, 0.3499



Tritanopia

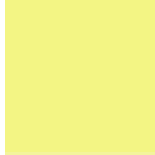
87.2463, 0.3050, 0.3122

Trichromacy



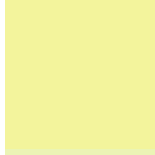
Original Color

87.4470, 0.3912, 0.5122



Protanomaly

86.0254, 0.3796, 0.4426



Deuteranomaly

86.1564, 0.3663, 0.4191



Tritanomaly

85.6997, 0.3455, 0.3950

Monochromacy



Original Color

87.4470, 0.3912, 0.5122



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.9133, 0.3515, 0.4103

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.4470, 0.3912, 0.5122 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(223, 255, 51)` looks like.

```
.text, #text, p{  
    color:rgb(223, 255, 51)  
}
```

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(223, 255, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 255, 51) }
```

Border

The CSS property to change the border of an element to Yxy 87.4470, 0.3912, 0.5122 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(223, 255, 51) }
```

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

```
.border{ border-color:rgb(223, 255, 51) }
```

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

Here you see how a box with a 4 pixel rgb(223, 255, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 255, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 255, 51);  
box-shadow:4px 4px 4px 4px rgb(223, 255,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 87.4470, 0.3912, 0.5122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 255, 51) }
```

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

```
.background{ background-color: rgb(223,  
255, 51) }
```

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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