

Converting Colors

$Y_{xy}(109.9783, 0.3586, 0.4965)$

Have a look what the booklet for
Yxy(109.9783, 0.3586, 0.4965)
contains.

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Color

Yxy(88.0398, 0.3702, 0.4761)

Conversions

Conversions Part 1

| Format | Color |
|-------------|--|
| Hex | <code>DDFF6F</code> |
| RGB | <code>221, 255, 111</code> |
| RGB Percent | <code>87%, 100%, 44%</code> |
| CMY | <code>0.1332, 0.0000, 0.5647</code> |
| CMYK | <code>0.13, 0.00, 0.56, 0.00</code> |
| HSL | <code>74°, 100%, 72%</code> |
| HSV | <code>74°, 56%, 100%</code> |
| XYZ | <code>68.4569, 88.0398, 28.4220</code> |
| YIQ | <code>228.4180, 25.9600, -51.9920</code> |

Conversions

Conversions Part 2

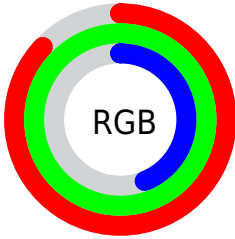
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 111, 255, 145 |
| Decimal | 14548847 |
| CIE Lab | 95.18, -31.02, 63.87 |
| CIE LCh | 95, 71.003, 115.908 |
| Yxy | 88.0398, 0.3702, 0.4761 |
| Android (android.graphics.Color) | 4292738927 (0xFFDDFF6F) |
| YUV | 228.4180, -57.8871, -6.5056 |
| Hunter-Lab | 93.8295, -33.9702, 47.7211 |

Details

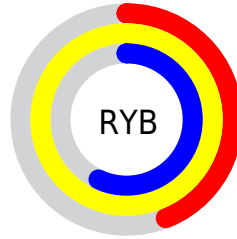
The Yxy color **88.0398, 0.3702, 0.4761** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **24.6033, 0.2248, 0.1562**, and the grayscale version is **78.3302, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5700, 0.3649, 0.4153**, and **48.4505, 0.3768, 0.5073** is the 20% darker color. If you saturate the color by 10%, you get **86.6327, 0.3760, 0.4977**, and if you desaturate by 10%, it is **89.6489, 0.3623, 0.4515**.

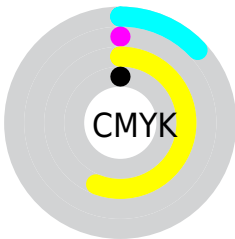
Distribution



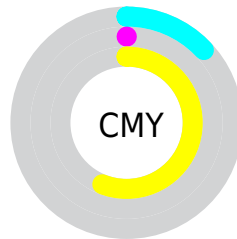
- Red (87%)
- Green (100%)
- Blue (44%)



- Red (44%)
- Yellow (100%)
- Blue (57%)



- Cyan (13%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)




- Cyan (13%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.0398, 0.3702, 0.4761 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 88.0398, 0.3702, 0.4761 by changing the saturation by 10% instead.


 88.0398, 0.3702,
0.4761


 88.0398, 0.3702,
0.4761


521.6336, 0.3487,
0.4093

 66.3560, 0.3736,
0.4904


 144.6126, 0.3640,
0.4536

 48.5615, 0.3769,
0.5075


 180.2704, 0.3612,
0.4446

 34.2717, 0.3798,
0.5279


 221.3549, 0.3586,
0.4368

 23.1024, 0.3813,
0.5524

268.2507, 0.3563,
0.4299

 14.6692, 0.3797,
0.5815

321.3421, 0.3541,
0.4238

 8.5875, 0.3763,
0.6237


381.0134, 0.3522,


 4.4731, 0.3482,


0.4184


0.6518

447.6491, 0.3504,
0.4136


 1.9416, 0.3019,
0.6981


 0.5732, 0.0000,
1.0000


 88.0398, 0.3702,
0.4761


 88.0398, 0.3702,
0.4761

 86.6327, 0.3760,
0.4977


 89.6489, 0.3623,
0.4515


 85.4013, 0.3794,
0.5153


 91.4609, 0.3527,
0.4250


 84.3328, 0.3801,
0.5282

 93.4913, 0.3422,
0.3978

 83.4062, 0.3784,
0.5364

 95.7505, 0.3311,
0.3709

 83.1020, 0.3774,
0.5386

 98.2485, 0.3199,
0.3450

99.9976, 0.3127,
0.3290

Harmonies

Analogous

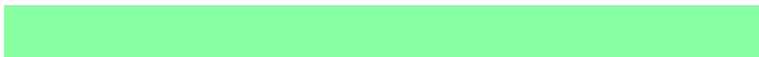
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.0398, 0.4352, 0.4437



88.0398, 0.3702, 0.4761



88.0398, 0.2939, 0.4580

Triad

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



88.0398, 0.3702, 0.4761



88.0398, 0.1760, 0.2402



88.0398, 0.3976, 0.2766

Complementary

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



88.0398, 0.3702, 0.4761



24.6033, 0.2248, 0.1562

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.



88.0398, 0.3155, 0.2346



88.0398, 0.3702, 0.4761



88.0398, 0.1952, 0.2120

Square

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



88.0398, 0.3702, 0.4761



88.0398, 0.1860, 0.3006



88.0398, 0.2427, 0.2115



88.0398, 0.4574, 0.3306

Rectangle

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



88.0398, 0.3702, 0.4761



88.0398, 0.2469, 0.4138



88.0398, 0.2427, 0.2115



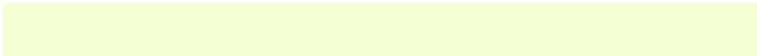
88.0398, 0.3710, 0.2609

Sweetspot

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



88.0438, 0.3702, 0.4761



95.6284, 0.3317, 0.3723



42.5346, 0.4626, 0.3632



20.3678, 0.3339, 0.3777



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.



88.0438, 0.3702, 0.4761



86.4361, 0.3767, 0.5007



79.0921, 0.3238, 0.5012



20.8622, 0.3232, 0.3527



43.4957, 0.3781, 0.5380



4.2846, 0.3830, 0.5341

Inverse Universe

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



24.6033, 0.2248, 0.1562



17.3677, 0.2038, 0.1215



33.2778, 0.2842, 0.1811



17.5844, 0.3015, 0.3047



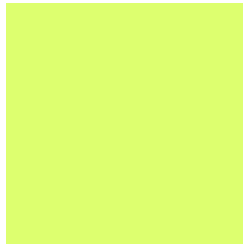
4.3327, 0.1629, 0.0671



0.4692, 0.1735, 0.0730

Previews

White Background



This preview shows how the Yxy color 88.0398, 0.3702, 0.4761 looks on a white background.

Color Contrast Check

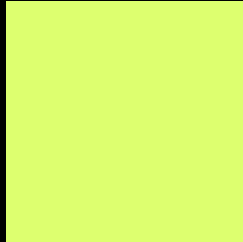
Large Text (above 18pt) WCAG AA × Fail

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 88.0398, 0.3702, 0.4761 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

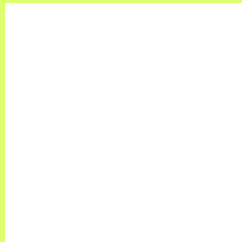
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 88.0398, 0.3702, 0.4761

Background



This preview shows how black text looks on a background with the Yxy color 88.0398, 0.3702, 0.4761.

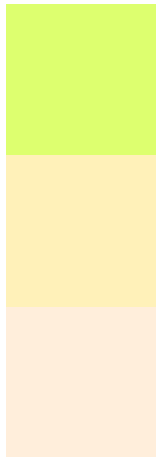


This preview shows how white text looks on a background with the Yxy color 88.0398, 0.3702, 0.4761.

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

88.0398, 0.3702, 0.4761

Protanopia

87.6734, 0.3578, 0.3851

Deuteranopia

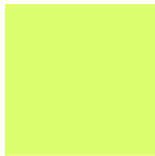
87.5235, 0.3363, 0.3479



Tritanopia

87.8909, 0.3031, 0.3141

Trichromacy



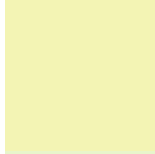
Original Color

88.0398, 0.3702, 0.4761



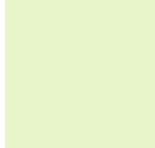
Protanomaly

87.4348, 0.3645, 0.4189



Deuteranomaly

87.0513, 0.3517, 0.3948



Tritanomaly

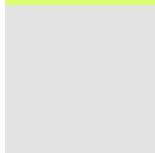
86.7724, 0.3297, 0.3729

Monochromacy



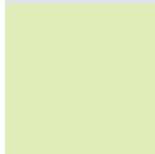
Original Color

88.0398, 0.3702, 0.4761



Achromatopsia

77.5822, 0.3127, 0.3290



Achromatomaly

80.6594, 0.3371, 0.3863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.0398, 0.3702, 0.4761 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(221, 255, 111)` looks like.

```
.text, #text, p{  
    color:rgb(221, 255, 111)  
}
```

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(221, 255, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(221, 255, 111) }
```

Border

The CSS property to change the border of an element to Yxy 88.0398, 0.3702, 0.4761 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(221, 255, 111) }
```

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

```
.border{ border-color:rgb(221, 255, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(221, 255, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(221, 255, 111); -webkit-box-shadow:4px 4px 4px 4px rgb(221, 255, 111); box-shadow:4px 4px 4px 4px rgb(221, 255, 111) }
```


Background

The CSS property to change the background color of an element to Yxy 88.0398, 0.3702, 0.4761 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(221, 255, 111) }
```

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

```
.background{ background-color: rgb(221,  
255, 111) }
```

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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