

Converting Colors

$Y_{xy}(89.7805, 0.3713, 0.4632)$

Have a look what the booklet for
Yxy(89.7805, 0.3713, 0.4632)
contains.

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Color

Yxy(89.7481, 0.3714, 0.4636)

Conversions

Conversions Part 1

Format	Color
Hex	E6FF7A
RGB	230, 255, 122
RGB Percent	90%, 100%, 48%
CMY	0.0981, 0.0000, 0.5216
CMYK	0.10, 0.00, 0.52, 0.00
HSL	71°, 100%, 74%
HSV	71°, 52%, 100%
XYZ	71.8991, 89.7481, 31.9423
YIQ	232.3630, 27.7930, -46.6630

Conversions

Conversions Part 2

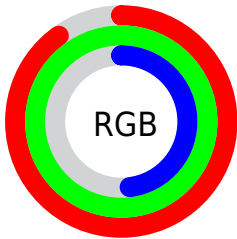
Format	Color
RYB	122, 255, 147
Decimal	15138682
CIELab	95.89, -26.71, 60.03
CIELCh	96, 65.701, 113.991
Yxy	89.7481, 0.3714, 0.4636
Android (android.graphics.Color)	4293328762 (0xFFE6FF7A)
YUV	232.3630, -54.4090, -2.0724
Hunter-Lab	94.7355, -30.3151, 46.3238

Details

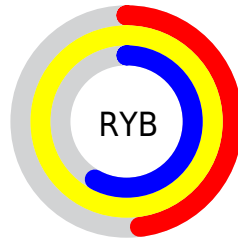
The Yxy color **89.7481, 0.3714, 0.4636** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **27.3420, 0.2282, 0.1684**, and the grayscale version is **81.3748, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9543, 0.3591, 0.4057**, and **49.5762, 0.3793, 0.4916** is the 20% darker color. If you saturate the color by 10%, you get **88.4094, 0.3791, 0.4857**, and if you desaturate by 10%, it is **91.2654, 0.3618, 0.4388**.

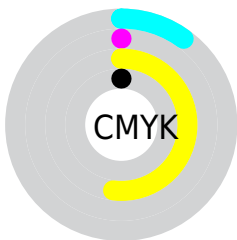
Distribution



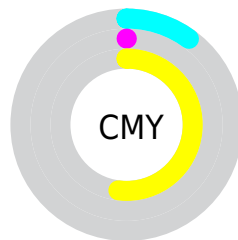
- Red (90%)
- Green (100%)
- Blue (48%)



- Red (48%)
- Yellow (100%)
- Blue (58%)



- Cyan (10%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)




- Cyan (10%)
- Magenta (0%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 89.7481, 0.3714, 0.4636 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 89.7481, 0.3714, 0.4636 by changing the saturation by 10% instead.


 89.7481, 0.3714,
0.4636

 89.7481, 0.3714,
0.4636


527.2111, 0.3487,
0.4028


 67.7717, 0.3753,
0.4766


 146.9884, 0.3645,
0.4431

 49.7121, 0.3794,
0.4922


 183.0212, 0.3616,
0.4349

 35.1847, 0.3835,
0.5109


 224.5082, 0.3589,
0.4278

 23.8052, 0.3869,
0.5334

271.8339, 0.3564,
0.4216

 15.1891, 0.3883,
0.5606

325.3827, 0.3542,
0.4161

 8.9522, 0.3901,
0.6011


385.5388, 0.3522,


 4.7100, 0.3703,

0.4111

0.6297


452.6868, 0.3503,
0.4067


 2.0782, 0.3320,
0.6680


 0.6523, 0.0000,
1.0000


 89.7481, 0.3714,
0.4636


 89.7481, 0.3714,
0.4636


 88.4094, 0.3791,
0.4857


 91.2654, 0.3618,
0.4388


 87.2494, 0.3844,
0.5041

 92.9869, 0.3509,
0.4126

 86.2482, 0.3871,
0.5181

 94.9189, 0.3392,
0.3858

 85.3871, 0.3872,
0.5274

 97.0716, 0.3272,
0.3595

 84.7882, 0.3858,
0.5319

 99.4543, 0.3152,
0.3343

100.0000, 0.3127,
0.3290

Harmonies

Analogous

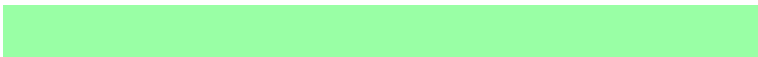
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.7481, 0.4299, 0.4335



89.7481, 0.3714, 0.4636



89.7481, 0.3007, 0.4491

Triad

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



89.7481, 0.3714, 0.4636



89.7481, 0.1850, 0.2500



89.7481, 0.3864, 0.2777

Complementary

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



89.7481, 0.3714, 0.4636



27.3420, 0.2282, 0.1684

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.



89.7481, 0.3109, 0.2391



89.7481, 0.3714, 0.4636



89.7481, 0.2013, 0.2211

Square

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



89.7481, 0.3714, 0.4636



89.7481, 0.1966, 0.3082



89.7481, 0.2444, 0.2187



89.7481, 0.4434, 0.3281

Rectangle

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



89.7481, 0.3714, 0.4636



89.7481, 0.2563, 0.4109



89.7481, 0.2444, 0.2187



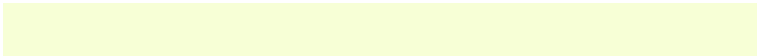
89.7481, 0.3618, 0.2631

Sweetspot

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



89.7436, 0.3714, 0.4636



96.2182, 0.3318, 0.3695



43.3392, 0.4504, 0.3544



20.4997, 0.3343, 0.3749



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

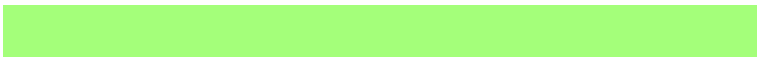
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.7436, 0.3714, 0.4636



88.3054, 0.3796, 0.4874



80.8293, 0.3278, 0.4853



20.9079, 0.3240, 0.3527



44.3655, 0.3864, 0.5314



4.3622, 0.3903, 0.5283

Inverse Universe

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



27.3420, 0.2282, 0.1684



19.6160, 0.2075, 0.1335



35.2655, 0.2813, 0.1893



17.5421, 0.3008, 0.3046



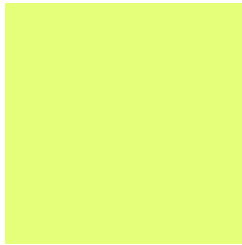
4.1474, 0.1587, 0.0648



0.4455, 0.1683, 0.0701

Previews

White Background



This preview shows how the Yxy color 89.7481, 0.3714, 0.4636 looks on a white background.

Color Contrast Check

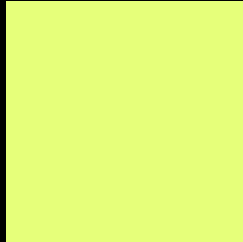
Large Text (above 18pt) WCAG AA × Fail

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 89.7481, 0.3714, 0.4636 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

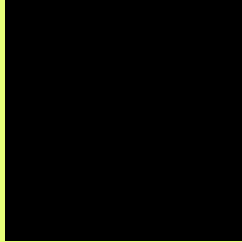
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.7481, 0.3714, 0.4636

Background



This preview shows how black text looks on a background with the Yxy color 89.7481, 0.3714, 0.4636.

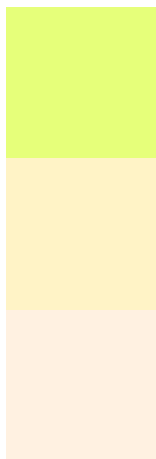


This preview shows how white text looks on a background with the Yxy color 89.7481, 0.3714, 0.4636.

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

89.7481, 0.3714, 0.4636

Protanopia

89.4384, 0.3490, 0.3739

Deuteranopia

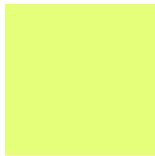
89.6068, 0.3320, 0.3448



Tritanopia

89.5431, 0.3069, 0.3153

Trichromacy



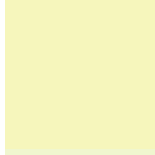
Original Color

89.7481, 0.3714, 0.4636



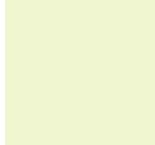
Protanomaly

89.0166, 0.3592, 0.4072



Deuteranomaly

89.1352, 0.3484, 0.3880



Tritanomaly

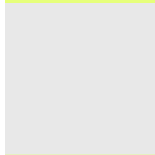
88.9418, 0.3325, 0.3689

Monochromacy



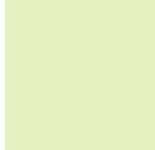
Original Color

89.7481, 0.3714, 0.4636



Achromatopsia

80.6952, 0.3127, 0.3290



Achromatomaly

83.1149, 0.3366, 0.3799

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.7481, 0.3714, 0.4636 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(230, 255, 122)` looks like.

```
.text, #text, p{  
    color:rgb(230, 255, 122)  
}
```

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(230, 255, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 255, 122) }
```

Border

The CSS property to change the border of an element to Yxy 89.7481, 0.3714, 0.4636 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(230, 255, 122) }
```

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

```
.border{ border-color:rgb(230, 255, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 255, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 255, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 255, 122);  
box-shadow:4px 4px 4px 4px rgb(230, 255,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 89.7481, 0.3714, 0.4636 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 255, 122) }
```

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

```
.background{ background-color: rgb(230,  
255, 122) }
```

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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