

# Converting Colors

$Yxy(86.7532, 0.3764, 0.4627)$

Have a look what the booklet for  
Yxy(86.7532, 0.3764, 0.4627)  
contains.

<b>Yxy(86.6681, 0.3761, 0.4629)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(86.6681, 0.3761, 0.4629)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7FA76
RGB	231, 250, 118
RGB Percent	91%, 98%, 46%
CMY	0.0940, 0.0196, 0.5374
CMYK	0.08, 0.00, 0.53, 0.02
HSL	69°, 93%, 72%
HSV	69°, 53%, 98%
XYZ	70.4167, 86.6681, 30.1438
YIQ	229.2710, 31.0480, -45.0800

# Conversions

## Conversions Part 2

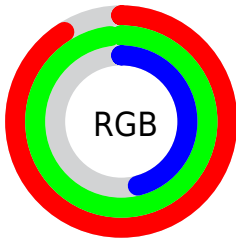
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	118, 250, 137
Decimal	15202934
CIE <sub>Lab</sub>	94.60, -24.28, 60.34
CIE <sub>LCh</sub>	95, 65.039, 111.925
Yxy	86.6681, 0.3761, 0.4629
Android (android.graphics.Color)	4293393014 (0xFFE7FA76)
YUV	229.2710, -54.8566, 1.5163
Hunter-Lab	93.0957, -27.9019, 45.9693

# Details

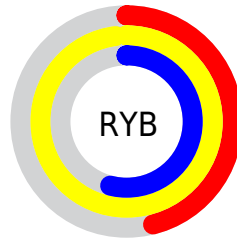
The Yxy color **86.6681, 0.3761, 0.4629** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **25.1622, 0.2229, 0.1648**, and the grayscale version is **78.9626, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7971, 0.3614, 0.4095**, and **47.8267, 0.3850, 0.4920** is the 20% darker color. If you saturate the color by 10%, you get **85.5630, 0.3844, 0.4839**, and if you desaturate by 10%, it is **87.9507, 0.3658, 0.4391**.

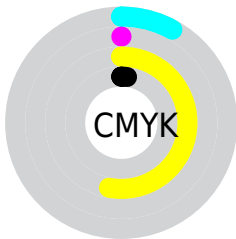
# Distribution



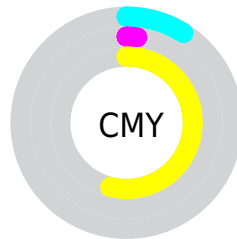
- Red (91%)
- Green (98%)
- Blue (46%)



- Red (46%)
- Yellow (98%)
- Blue (54%)



- Cyan (8%)
- Magenta (0%)
- Yellow (53%)
- Black (2%)




- Cyan (9%)
- Magenta (2%)
- Yellow (54%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.6681, 0.3761, 0.4629 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 86.6681, 0.3761, 0.4629 by changing the saturation by 10% instead.




 86.6681, 0.3761,  
0.4629


 86.6681, 0.3761,  
0.4629


517.1316, 0.3511,  
0.4024


 65.2206, 0.3805,  
0.4758


 142.7014, 0.3685,  
0.4425

 47.6400, 0.3851,  
0.4912


 178.0560, 0.3652,  
0.4344

 33.5419, 0.3898,  
0.5097


 218.8151, 0.3622,  
0.4273

 22.5419, 0.3939,  
0.5318

265.3631, 0.3596,  
0.4211

 14.2556, 0.3959,  
0.5582

318.0843, 0.3572,  
0.4156

 8.2986, 0.4001,  
0.5999

377.3632, 0.3550,

 4.2866, 0.3778,

0.4107

0.6222

443.5842, 0.3529,  
0.4063

■ 1.8352, 0.3404,  
0.6596

■ 0.5089, 0.0000,  
1.0000

■ 86.6681, 0.3761,  
0.4629

■ 86.6681, 0.3761,  
0.4629

■ 85.5630, 0.3844,  
0.4839

■ 87.9507, 0.3658,  
0.4391

■ 84.6109, 0.3904,  
0.5011


■ 89.4106, 0.3541,  
0.4135

■ 83.8009, 0.3937,  
0.5138

■ 91.0620, 0.3417,  
0.3872

■ 83.1151, 0.3945,  
0.5220

■ 92.9144, 0.3289,  
0.3611

 82.6801, 0.3937,  
0.5256

 94.9767, 0.3162,  
0.3359

 96.3942, 0.3114,  
0.3242

 96.8505, 0.3129,  
0.3242

# Harmonies

## Analogous

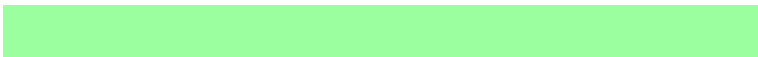
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.6681, 0.4332, 0.4306



86.6681, 0.3761, 0.4629



86.6681, 0.3056, 0.4521

# Triad

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



86.6681, 0.3761, 0.4629



86.6681, 0.1847, 0.2530



86.6681, 0.3816, 0.2745

# Complementary

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



86.6681, 0.3761, 0.4629



25.1622, 0.2229, 0.1648

# 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.



86.6681, 0.3058, 0.2369



86.6681, 0.3761, 0.4629



86.6681, 0.1992, 0.2221

# Square

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



86.6681, 0.3761, 0.4629



86.6681, 0.1983, 0.3131



86.6681, 0.2405, 0.2180



86.6681, 0.4409, 0.3244



# Rectangle

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



86.6681, 0.3761, 0.4629



86.6681, 0.2605, 0.4158



86.6681, 0.2405, 0.2180



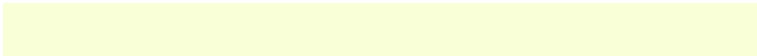
86.6681, 0.3566, 0.2602

# Sweetspot

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



86.6720, 0.3761, 0.4629



96.5507, 0.3330, 0.3694



39.1174, 0.4571, 0.3477



20.5796, 0.3356, 0.3747



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.



86.6720, 0.3761, 0.4629



89.4776, 0.3846, 0.4844



77.8252, 0.3320, 0.4851



20.0570, 0.3247, 0.3526



43.9053, 0.3942, 0.5252



4.0999, 0.3974, 0.5227



# Inverse Universe

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



25.1622, 0.2229, 0.1648



19.0992, 0.2028, 0.1314



32.3488, 0.2750, 0.1854



16.7626, 0.3001, 0.3046



3.8955, 0.1557, 0.0631

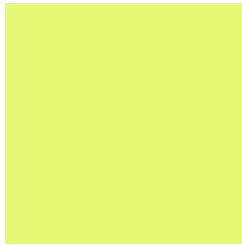


0.3958, 0.1645, 0.0680



# Previews

## White Background



This preview shows how the Yxy color 86.6681, 0.3761, 0.4629 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

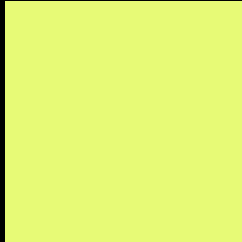
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.6681, 0.3761, 0.4629 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 86.6681, 0.3761, 0.4629**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.6681, 0.3761, 0.4629.

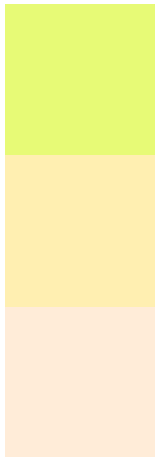


This preview shows how white text looks on a background with the Yxy color 86.6681, 0.3761, 0.4629.

# 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**

86.6681, 0.3761, 0.4629

**Protanopia**

86.1673, 0.3635, 0.3913

**Deuteranopia**

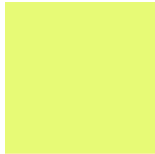
86.2088, 0.3385, 0.3490



## Tritanopia

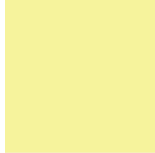
86.1652, 0.3083, 0.3103

# Trichromacy



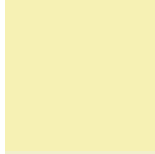
## Original Color

86.6681, 0.3761, 0.4629



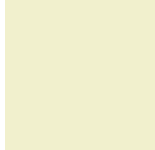
## Protanomaly

86.0943, 0.3688, 0.4175



## Deuteranomaly

85.7987, 0.3546, 0.3915



## Tritanomaly

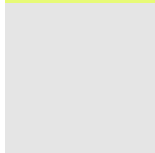
85.4287, 0.3353, 0.3651

# Monochromacy



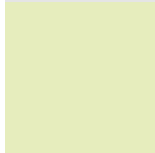
## Original Color

86.6681, 0.3761, 0.4629



## Achromatopsia

78.3538, 0.3127, 0.3290



## Achromatomaly

81.0655, 0.3383, 0.3803

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.6681, 0.3761, 0.4629 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(231, 250, 118)` looks like.

```
.text, #text, p{  
    color:rgb(231, 250, 118)  
}
```

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(231, 250, 118) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 250, 118) }
```

## Border

The CSS property to change the border of an element to Yxy 86.6681, 0.3761, 0.4629 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(231, 250, 118) }
```

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

```
.border{ border-color:rgb(231, 250, 118) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 250, 118)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 250, 118); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 250, 118);  
box-shadow:4px 4px 4px 4px rgb(231, 250,  
118) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.6681, 0.3761, 0.4629 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 250, 118) }
```

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

```
.background{ background-color: rgb(231,  
250, 118) }
```

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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