

Converting Colors

$Yxy(84.6800, 0.3630, 0.4978)$

Have a look what the booklet for
Yxy(84.6800, 0.3630, 0.4978)
contains.

Yxy(84.7457, 0.3633, 0.4976)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(84.7457, 0.3633, 0.4976)

Conversions

Conversions Part 1

Format	Color
Hex	C9FF5E
RGB	201, 255, 94
RGB Percent	79%, 100%, 37%
CMY	0.2117, 0.0000, 0.6313
CMYK	0.21, 0.00, 0.63, 0.00
HSL	80°, 100%, 68%
HSV	80°, 63%, 100%
XYZ	61.8732, 84.7457, 23.6900
YIQ	220.5000, 19.4970, -61.5190

Conversions

Conversions Part 2

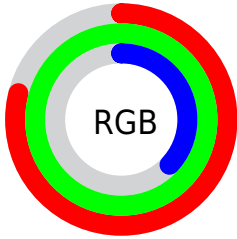
Format	Color
R_{YB}	94, 255, 148
Decimal	13238110
CIE Lab	93.77, -39.83, 68.97
CIE LCh	94, 79.646, 120.002
Yxy	84.7457, 0.3633, 0.4976
Android (android.graphics.Color)	4291428190 (0xFFC9FF5E)
YUV	220.5000, -62.3645, -17.1015
Hunter-Lab	92.0574, -41.1279, 49.1826

Details

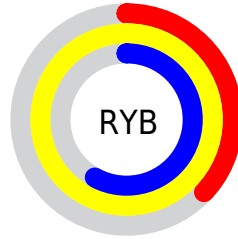
The Yxy color **84.7457, 0.3633, 0.4976** is a light color, and the websafe version is hex **CCFF66**. The color can be described as light muted yellow. A complement of this color would be **21.5248, 0.2243, 0.1409**, and the grayscale version is **72.3790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.9820, 0.3745, 0.4311**, and **46.3267, 0.3666, 0.5346** is the 20% darker color. If you saturate the color by 10%, you get **83.2122, 0.3658, 0.5187**, and if you desaturate by 10%, it is **86.5037, 0.3585, 0.4729**.

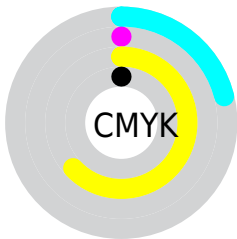
Distribution



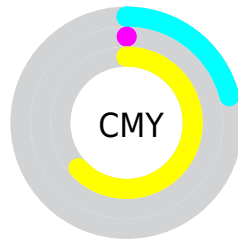
- Red (79%)
- Green (100%)
- Blue (37%)



- Red (37%)
- Yellow (100%)
- Blue (58%)



- Cyan (21%)
- Magenta (0%)
- Yellow (63%)
- Black (0%)



- Cyan (21%)
- Magenta (0%)
- Yellow (63%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.7457, 0.3633, 0.4976 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 84.7457, 0.3633, 0.4976 by changing the saturation by 10% instead.


 84.7457, 0.3633,
0.4976

 84.7457, 0.3633,
0.4976


510.7862, 0.3462,
0.4199

 63.6313, 0.3653,
0.5144


 140.0178, 0.3589,
0.4713

 46.3521, 0.3666,
0.5343


 174.9443, 0.3567,
0.4608

 32.5238, 0.3666,
0.5581


 215.2436, 0.3547,
0.4517

 21.7619, 0.3640,
0.5864

 261.3002, 0.3527,
0.4437

 13.6820, 0.3573,
0.6221

313.4983, 0.3509,
0.4367

 7.8998, 0.3392,
0.6608

372.2224, 0.3493,

 4.0309, 0.3007,

0.4305

0.6993

437.8569, 0.3477,
0.4249

■ 1.6909, 0.2201,
0.7799

■ 0.4177, 0.0000,
1.0000

■ 84.7457, 0.3633,
0.4976

■ 84.7457, 0.3633,
0.4976

■ 83.2122, 0.3658,
0.5187

■ 86.5037, 0.3585,
0.4729

■ 81.8755, 0.3657,
0.5353

■ 88.4896, 0.3517,
0.4458

■ 80.7194, 0.3632,
0.5467

■ 90.7200, 0.3436,
0.4176

■ 80.0103, 0.3604,
0.5521

■ 93.2069, 0.3346,
0.3895

95.9611, 0.3252,
0.3624

98.9928, 0.3157,
0.3367

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.



84.7457, 0.4396, 0.4625



84.7457, 0.3633, 0.4976



84.7457, 0.2783, 0.4698

Triad

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



84.7457, 0.3633, 0.4976



84.7457, 0.1624, 0.2224



84.7457, 0.4205, 0.2774

Complementary

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



84.7457, 0.3633, 0.4976



21.5248, 0.2243, 0.1409

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.



84.7457, 0.3279, 0.2293



84.7457, 0.3633, 0.4976



84.7457, 0.1873, 0.1971

Square

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



84.7457, 0.3633, 0.4976



84.7457, 0.1681, 0.2838



84.7457, 0.2434, 0.2009



84.7457, 0.4821, 0.3372

Rectangle

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



84.7457, 0.3633, 0.4976



84.7457, 0.2281, 0.4134



84.7457, 0.2434, 0.2009



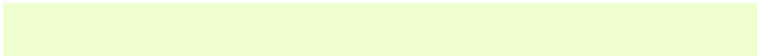
84.7457, 0.3910, 0.2597

Sweetspot

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



84.7494, 0.3633, 0.4976



94.3111, 0.3307, 0.3782



43.1483, 0.4760, 0.3817



20.0217, 0.3334, 0.3860



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.



84.7494, 0.3633, 0.4976



82.8087, 0.3660, 0.5240



76.3827, 0.3149, 0.5269



20.7678, 0.3217, 0.3528



41.8923, 0.3613, 0.5513



4.1388, 0.3680, 0.5460

Inverse Universe

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



21.5248, 0.2243, 0.1409



15.0283, 0.2034, 0.1078



31.7510, 0.2945, 0.1728



17.6736, 0.3031, 0.3048



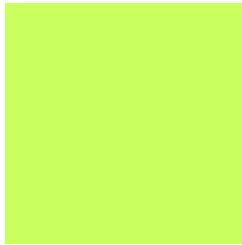
4.8668, 0.1746, 0.0735



0.5309, 0.1867, 0.0802

Previews

White Background



This preview shows how the Yxy color 84.7457, 0.3633, 0.4976 looks on a white background.

Color Contrast Check

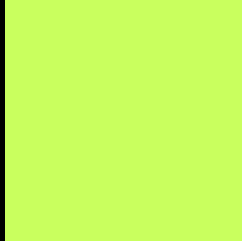
Large Text (above 18pt) WCAG AA × Fail

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 84.7457, 0.3633, 0.4976 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

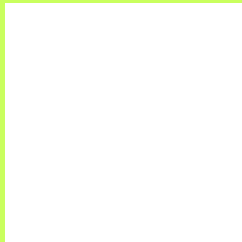
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.7457, 0.3633, 0.4976

Background



This preview shows how black text looks on a background with the Yxy color 84.7457, 0.3633, 0.4976.

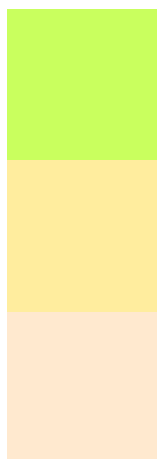


This preview shows how white text looks on a background with the Yxy color 84.7457, 0.3633, 0.4976.

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

84.7457, 0.3633, 0.4976

Protanopia

84.2970, 0.3762, 0.4082

Deuteranopia

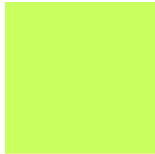
84.0428, 0.3450, 0.3552



Tritanopia

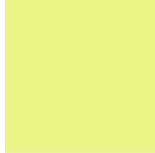
84.0570, 0.2930, 0.3116

Trichromacy



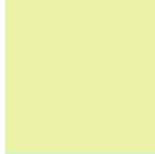
Original Color

84.7457, 0.3633, 0.4976



Protanomaly

84.1128, 0.3726, 0.4415



Deuteranomaly

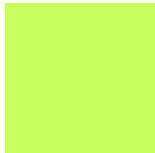
83.3259, 0.3554, 0.4079



Tritanomaly

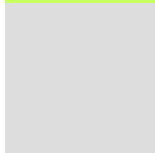
83.1340, 0.3226, 0.3813

Monochromacy



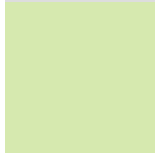
Original Color

84.7457, 0.3633, 0.4976



Achromatopsia

72.3055, 0.3127, 0.3290



Achromatomaly

75.6691, 0.3364, 0.3940

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.7457, 0.3633, 0.4976 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(201, 255, 94)` looks like.

```
.text, #text, p{  
    color:rgb(201, 255, 94)  
}
```

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(201, 255, 94) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 255, 94) }
```

Border

The CSS property to change the border of an element to Yxy 84.7457, 0.3633, 0.4976 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(201, 255, 94) }
```

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

```
.border{ border-color:rgb(201, 255, 94) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 255, 94)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 255, 94); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 255, 94);  
box-shadow:4px 4px 4px 4px rgb(201, 255,  
94) }
```


Background

The CSS property to change the background color of an element to Yxy 84.7457, 0.3633, 0.4976 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 255, 94) }
```

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

```
.background{ background-color: rgb(201,  
255, 94) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor