

Converting Colors

Yxy(84.1713, 0.3566, 0.4933)

Have a look what the booklet for
Yxy(84.1713, 0.3566, 0.4933)
contains.

Yxy(84.2151, 0.3568, 0.4932)	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(84.2151, 0.3568, 0.4932)

Conversions

Conversions Part 1

Format	Color
Hex	C4FF66
RGB	196, 255, 102
RGB Percent	77%, 100%, 40%
CMY	0.2313, 0.0000, 0.6000
CMYK	0.23, 0.00, 0.60, 0.00
HSL	83°, 100%, 70%
HSV	83°, 60%, 100%
XYZ	60.9245, 84.2151, 25.6129
YIQ	219.9170, 13.9490, -60.0910

Conversions

Conversions Part 2

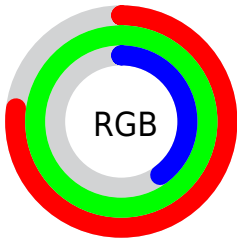
Format	Color
RYB	102, 255, 161
Decimal	12910438
CIELab	93.54, -41.06, 65.41
CIELCh	94, 77.229, 122.120
Yxy	84.2151, 0.3568, 0.4932
Android (android.graphics.Color)	4291100518 (0xFFC4FF66)
YUV	219.9170, -58.1331, -20.9752
Hunter-Lab	91.7688, -42.0908, 47.6902

Details

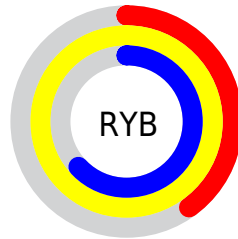
The Yxy color **84.2151, 0.3568, 0.4932** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **24.2986, 0.2357, 0.1527**, and the grayscale version is **71.9163, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2486, 0.3700, 0.4238**, and **45.9733, 0.3590, 0.5301** is the 20% darker color. If you saturate the color by 10%, you get **82.5098, 0.3592, 0.5166**, and if you desaturate by 10%, it is **86.1642, 0.3522, 0.4666**.

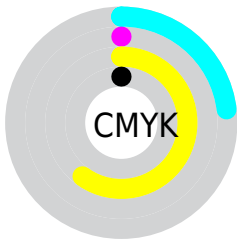
Distribution



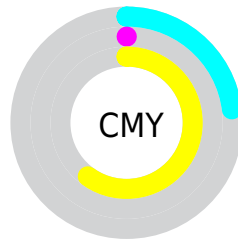
- Red (77%)
- Green (100%)
- Blue (40%)



- Red (40%)
- Yellow (100%)
- Blue (63%)



- Cyan (23%)
- Magenta (0%)
- Yellow (60%)
- Black (0%)





- Cyan (23%)
- Magenta (0%)
- Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.2151, 0.3568, 0.4932 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 84.2151, 0.3568, 0.4932 by changing the saturation by 10% instead.


 84.2151, 0.3568,
0.4932


 84.2151, 0.3568,
0.4932


509.0273, 0.3421,
0.4168


 63.1930, 0.3584,
0.5099

 139.2760, 0.3530,
0.4671


 45.9974, 0.3595,
0.5300


 174.0837, 0.3512,
0.4568

 32.2438, 0.3593,
0.5543


 214.2553, 0.3494,
0.4479

 21.5478, 0.3566,
0.5837


 260.1754, 0.3477,
0.4401

 13.5250, 0.3492,
0.6198

312.2282, 0.3462,
0.4332

 7.7910, 0.3337,
0.6663


370.7982, 0.3447,


 3.9615, 0.2937,


0.4271


0.7063

436.2697, 0.3434,
0.4217


 1.6521, 0.2037,
0.7963


 0.3923, 0.0000,
1.0000


 84.2151, 0.3568,
0.4932

 84.2151, 0.3568,
0.4932

 82.5098, 0.3592,
0.5166

 86.1642, 0.3522,
0.4666


 81.0292, 0.3592,
0.5356

 88.3688, 0.3459,
0.4383

 79.7547, 0.3567,
0.5495

 90.8430, 0.3383,
0.4095

 78.6559, 0.3522,
0.5585

 93.5989, 0.3300,
0.3812

 96.6476, 0.3214,
0.3542

99.9998, 0.3127,
0.3290

100.0000, 0.3127,
0.3290

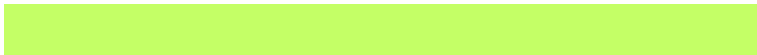
Harmonies

Analogous

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



84.2151, 0.4324, 0.4633



84.2151, 0.3568, 0.4932



84.2151, 0.2740, 0.4606

Triad

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



84.2151, 0.3568, 0.4932



84.2151, 0.1665, 0.2224



84.2151, 0.4232, 0.2827

Complementary

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



84.2151, 0.3568, 0.4932



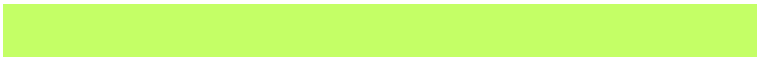
24.2986, 0.2357, 0.1527

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.



84.2151, 0.3341, 0.2344



84.2151, 0.3568, 0.4932



84.2151, 0.1931, 0.1996

Square

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



84.2151, 0.3568, 0.4932



84.2151, 0.1701, 0.2799



84.2151, 0.2502, 0.2050



84.2151, 0.4796, 0.3419

Rectangle

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



84.2151, 0.3568, 0.4932



84.2151, 0.2260, 0.4040



84.2151, 0.2502, 0.2050



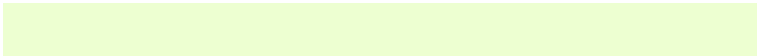
84.2151, 0.3952, 0.2650

Sweetspot

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



84.2160, 0.3568, 0.4932



94.1850, 0.3283, 0.3757



47.5865, 0.4590, 0.3878



19.9778, 0.3308, 0.3837



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.



84.2160, 0.3568, 0.4932



82.1963, 0.3594, 0.5208



76.4615, 0.3116, 0.5192



20.7206, 0.3209, 0.3529



41.1881, 0.3533, 0.5577



4.0733, 0.3607, 0.5518

Inverse Universe

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



24.2986, 0.2357, 0.1527



17.5452, 0.2168, 0.1207



34.7528, 0.3028, 0.1821



17.7191, 0.3039, 0.3049



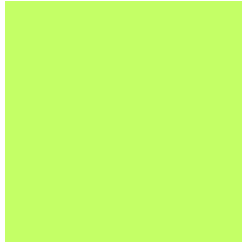
5.2182, 0.1819, 0.0776



0.5687, 0.1944, 0.0845

Previews

White Background



This preview shows how the Yxy color 84.2151, 0.3568, 0.4932 looks on a white background.

Color Contrast Check

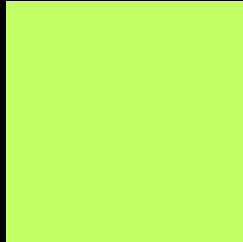
Large Text (above 18pt) WCAG AA × Fail

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 84.2151, 0.3568, 0.4932 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

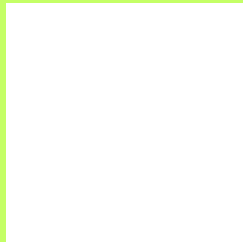
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.2151, 0.3568, 0.4932

Background



This preview shows how black text looks on a background with the Yxy color 84.2151, 0.3568, 0.4932.

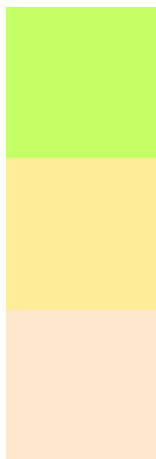


This preview shows how white text looks on a background with the Yxy color 84.2151, 0.3568, 0.4932.

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

84.2151, 0.3568, 0.4932

Protanopia

83.5508, 0.3797, 0.4121

Deuteranopia

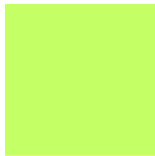
83.3810, 0.3465, 0.3562



Tritanopia

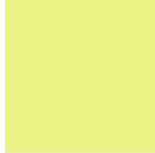
84.0131, 0.2906, 0.3125

Trichromacy



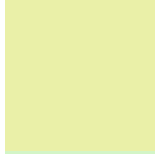
Original Color

84.2151, 0.3568, 0.4932



Protanomaly

83.3148, 0.3728, 0.4419



Deuteranomaly

82.6398, 0.3537, 0.4051



Tritanomaly

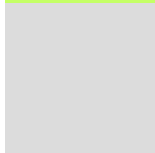
83.2772, 0.3181, 0.3793

Monochromacy



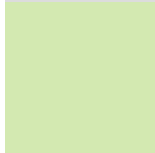
Original Color

84.2151, 0.3568, 0.4932



Achromatopsia

71.5694, 0.3127, 0.3290



Achromatomaly

75.3010, 0.3330, 0.3922

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2151, 0.3568, 0.4932 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(196, 255, 102)` looks like.

```
.text, #text, p{  
    color:rgb(196, 255, 102)  
}
```

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(196, 255, 102) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 255, 102) }
```

Border

The CSS property to change the border of an element to Yxy 84.2151, 0.3568, 0.4932 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(196, 255, 102) }
```

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

```
.border{ border-color:rgb(196, 255, 102) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 255, 102)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 255, 102); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 255, 102);  
box-shadow:4px 4px 4px 4px rgb(196, 255,  
102) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2151, 0.3568, 0.4932 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 255, 102) }
```

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

```
.background{ background-color: rgb(196,  
255, 102) }
```

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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