

Converting Colors

$Yxy(84.6572, 0.3554, 0.4802)$

Have a look what the booklet for
Yxy(84.6572, 0.3554, 0.4802)
contains.

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Color

Yxy(84.5160, 0.3555, 0.4802)

Conversions

Conversions Part 1

Format	Color
Hex	C9FE72
RGB	201, 254, 114
RGB Percent	79%, 100%, 45%
CMY	0.2117, 0.0039, 0.5532
CMYK	0.21, 0.00, 0.55, 0.00
HSL	83°, 99%, 72%
HSV	83°, 55%, 100%
XYZ	62.5686, 84.5160, 28.9171
YIQ	222.1930, 13.3520, -54.7760

Conversions

Conversions Part 2

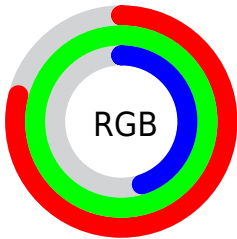
Format	Color
RYB	114, 254, 167
Decimal	13237874
CIELab	93.67, -37.78, 60.54
CIElCh	94, 71.358, 121.968
Yxy	84.5160, 0.3555, 0.4802
Android (android.graphics.Color)	4291427954 (0xFFC9FE72)
YUV	222.1930, -53.3391, -18.5863
Hunter-Lab	91.9326, -39.3963, 45.7033

Details

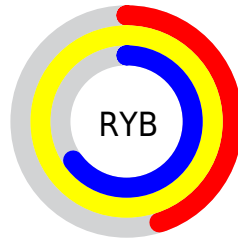
The Yxy color **84.5160, 0.3555, 0.4802** is a light color, and the websafe version is hex **CCFF66**. A complement of this color would be **27.3848, 0.2426, 0.1668**, and the grayscale version is **73.5690, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6446, 0.3638, 0.4134**, and **46.1776, 0.3593, 0.5143** is the 20% darker color. If you saturate the color by 10%, you get **82.7293, 0.3592, 0.5052**, and if you desaturate by 10%, it is **86.5540, 0.3499, 0.4527**.

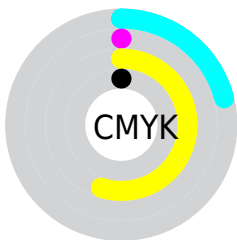
Distribution



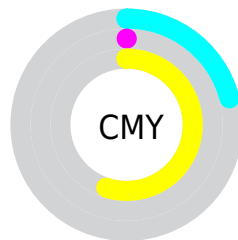
- Red (79%)
- Green (100%)
- Blue (45%)



- Red (45%)
- Yellow (100%)
- Blue (65%)



- Cyan (21%)
- Magenta (0%)
- Yellow (55%)
- Black (0%)





- Cyan (21%)
- Magenta (0%)
- Yellow (55%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.5160, 0.3555, 0.4802 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 84.5160, 0.3555, 0.4802 by changing the saturation by 10% instead.


 84.5160, 0.3555,
0.4802


 84.5160, 0.3555,
0.4802


510.0252, 0.3404,
0.4098


 63.4415, 0.3575,
0.4958


 139.6968, 0.3514,
0.4561

 46.1985, 0.3592,
0.5146


 174.5718, 0.3494,
0.4466

 32.4025, 0.3601,
0.5375


 214.8159, 0.3476,
0.4383

 21.6691, 0.3592,
0.5656

260.8134, 0.3460,
0.4312

 13.6140, 0.3542,
0.6002

312.9487, 0.3444,
0.4249

 7.8527, 0.3468,
0.6532


371.6061, 0.3430,

 4.0008, 0.3101,


0.4193


0.6899

437.1702, 0.3416,
0.4143


 1.6740, 0.2358,
0.7642


 0.4068, 0.0000,
1.0000

 84.5160, 0.3555,
0.4802


 84.5160, 0.3555,
0.4802


 82.7293, 0.3592,
0.5052


 86.5540, 0.3499,
0.4527


 81.1675, 0.3605,
0.5263

 88.8457, 0.3427,
0.4241

 79.8169, 0.3593,
0.5426

 91.4071, 0.3346,
0.3955

 78.6563, 0.3557,
0.5537

 94.2497, 0.3260,
0.3678

 78.1467, 0.3534,
0.5576

 97.3842, 0.3172,
0.3417

99.3652, 0.3128,
0.3281

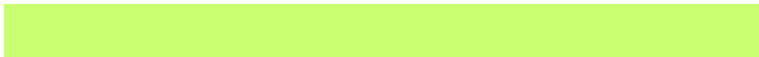
Harmonies

Analogous

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



84.5160, 0.4256, 0.4548



84.5160, 0.3555, 0.4802



84.5160, 0.2782, 0.4494

Triad

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



84.5160, 0.3555, 0.4802



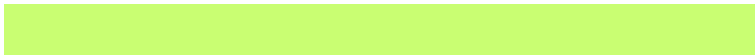
84.5160, 0.1756, 0.2303



84.5160, 0.4144, 0.2861

Complementary

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



84.5160, 0.3555, 0.4802



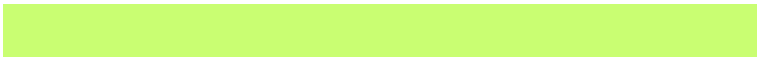
27.3848, 0.2426, 0.1668

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.



84.5160, 0.3325, 0.2404



84.5160, 0.3555, 0.4802



84.5160, 0.2007, 0.2079

Square

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



84.5160, 0.3555, 0.4802



84.5160, 0.1795, 0.2848



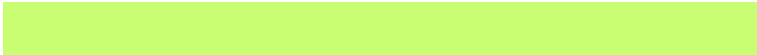
84.5160, 0.2546, 0.2127



84.5160, 0.4669, 0.3422

Rectangle

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



84.5160, 0.3555, 0.4802



84.5160, 0.2330, 0.3984



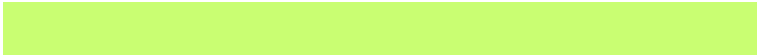
84.5160, 0.2546, 0.2127



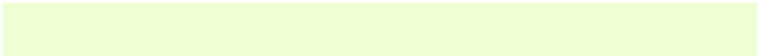
84.5160, 0.3887, 0.2693

Sweetspot

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



84.5197, 0.3555, 0.4802



94.5374, 0.3276, 0.3729



49.3030, 0.4447, 0.3819



20.1089, 0.3294, 0.3784



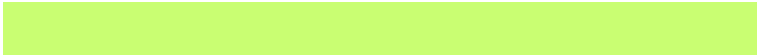
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



84.5197, 0.3555, 0.4802



83.3237, 0.3594, 0.5072



77.0544, 0.3135, 0.5024



20.7275, 0.3210, 0.3529



41.2862, 0.3544, 0.5568



4.0825, 0.3617, 0.5510

Inverse Universe

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



27.3848, 0.2426, 0.1668



20.5062, 0.2252, 0.1355



36.8959, 0.3019, 0.1912



17.7125, 0.3038, 0.3048



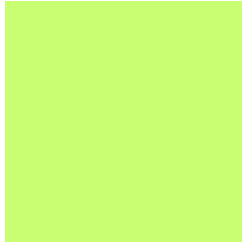
5.1635, 0.1808, 0.0770



0.5629, 0.1933, 0.0838

Previews

White Background



This preview shows how the Yxy color 84.5160, 0.3555, 0.4802 looks on a white background.

Color Contrast Check

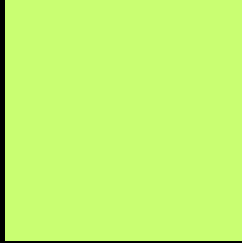
Large Text (above 18pt) WCAG AA × Fail

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 84.5160, 0.3555, 0.4802 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 84.5160, 0.3555, 0.4802

Background



This preview shows how black text looks on a background with the Yxy color 84.5160, 0.3555, 0.4802.

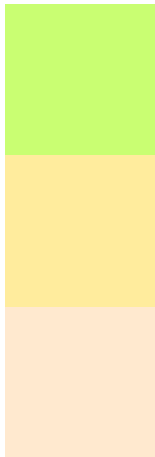


This preview shows how white text looks on a background with the Yxy color 84.5160, 0.3555, 0.4802.

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

84.5160, 0.3555, 0.4802

Protanopia

83.6852, 0.3772, 0.4083

Deuteranopia

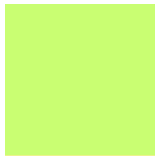
84.0428, 0.3450, 0.3552



Tritanopia

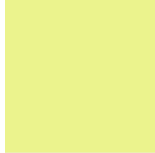
83.8987, 0.2924, 0.3115

Trichromacy



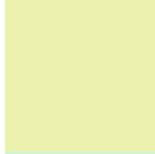
Original Color

84.5160, 0.3555, 0.4802



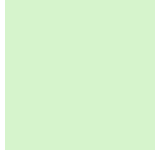
Protanomaly

83.6864, 0.3696, 0.4349



Deuteranomaly

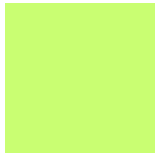
83.5899, 0.3511, 0.4006



Tritanomaly

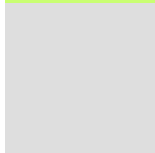
83.3571, 0.3171, 0.3724

Monochromacy



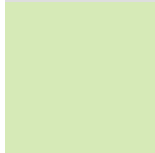
Original Color

84.5160, 0.3555, 0.4802



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

76.5607, 0.3312, 0.3859

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.5160, 0.3555, 0.4802 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, 254, 114)` looks like.

```
.text, #text, p{  
    color:rgb(201, 254, 114)  
}
```

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, 254, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(201, 254, 114) }
```

Border

The CSS property to change the border of an element to Yxy 84.5160, 0.3555, 0.4802 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, 254, 114) }
```

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

```
.border{ border-color:rgb(201, 254, 114) }
```

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

Here you see how a box with a 4 pixel `rgb(201, 254, 114)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(201, 254, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(201, 254, 114);  
box-shadow:4px 4px 4px 4px rgb(201, 254,  
114) }
```


Background

The CSS property to change the background color of an element to Yxy 84.5160, 0.3555, 0.4802 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(201, 254, 114) }
```

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

```
.background{ background-color: rgb(201,  
254, 114) }
```

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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