

Converting Colors

Yxy(84.2497, 0.3391, 0.4304)

Have a look what the booklet for
Yxy(84.2497, 0.3391, 0.4304)
contains.

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Color

Yxy(84.2497, 0.3391, 0.4304)

Conversions

Conversions Part 1

Format	Color
Hex	D0FA9E
RGB	208, 250, 158
RGB Percent	82%, 98%, 62%
CMY	0.1842, 0.0196, 0.3803
CMYK	0.17, 0.00, 0.37, 0.02
HSL	87°, 90%, 80%
HSV	87°, 37%, 98%
XYZ	66.3780, 84.2497, 45.1198
YIQ	226.9540, 4.5000, -37.5160

Conversions

Conversions Part 2

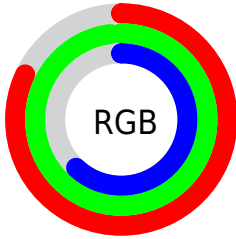
Format	Color
RYB	158, 250, 200
Decimal	13695646
CIELab	93.56, -28.63, 39.79
CIELCh	94, 49.017, 125.737
Yxy	84.2497, 0.3391, 0.4304
Android (android.graphics.Color)	4291885726 (0xFFD0FA9E)
YUV	226.9540, -33.9943, -16.6227
Hunter-Lab	91.7876, -31.5427, 35.1063

Details

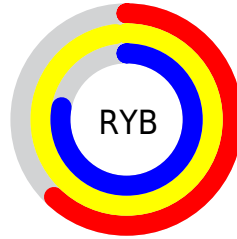
The Yxy color **84.2497, 0.3391, 0.4304** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **43.6404, 0.2762, 0.2261**, and the grayscale version is **77.0377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5841, 0.3376, 0.3701**, and **45.8352, 0.3430, 0.4547** is the 20% darker color. If you saturate the color by 10%, you get **81.8834, 0.3447, 0.4600**, and if you desaturate by 10%, it is **86.9174, 0.3325, 0.4009**.

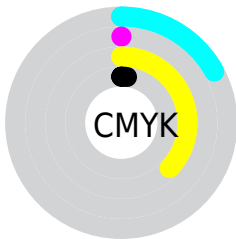
Distribution



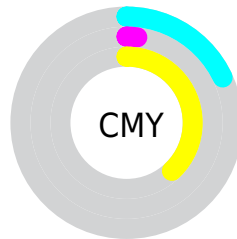
- Red (82%)
- Green (98%)
- Blue (62%)



- Red (62%)
- Yellow (98%)
- Blue (78%)



- Cyan (17%)
- Magenta (0%)
- Yellow (37%)
- Black (2%)




- Cyan (18%)
- Magenta (2%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.2497, 0.3391, 0.4304 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 84.2497, 0.3391, 0.4304 by changing the saturation by 10% instead.


 84.2497, 0.3391,
0.4304


 84.2497, 0.3391,
0.4304


509.1421, 0.3288,
0.3829

 63.2216, 0.3409,
0.4413


 139.3244, 0.3359,
0.4139

 46.0205, 0.3429,
0.4546


 174.1398, 0.3346,
0.4075

 32.2620, 0.3449,
0.4714


214.3198, 0.3334,
0.4019

 21.5617, 0.3468,
0.4930

260.2488, 0.3323,
0.3971

 13.5352, 0.3478,
0.5217

312.3111, 0.3313,
0.3929

 7.7981, 0.3461,
0.5607

370.8911, 0.3304,

 3.9660, 0.3505,

0.3892

0.6401

436.3733, 0.3295,
0.3859

■ 1.6546, 0.3055,
0.6945

■ 0.3940, 0.0000,
1.0000

■ 84.2497, 0.3391,
0.4304

■ 84.2497, 0.3391,
0.4304

■ 81.8834, 0.3447,
0.4600

■ 86.9174, 0.3325,
0.4009

■ 79.7943, 0.3487,
0.4885

■ 89.8876, 0.3253,
0.3726

■ 77.9717, 0.3507,
0.5144

■ 93.1754, 0.3178,
0.3459

■ 76.3994, 0.3505,
0.5363

■ 96.5954, 0.3121,
0.3242

■ 75.0589, 0.3479,
0.5530

■ 96.8492, 0.3129,
0.3242

■ 73.9274, 0.3432,
0.5642

■ 73.5982, 0.3415,
0.5670

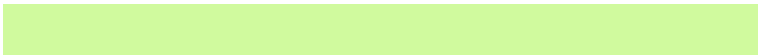
Harmonies

Analogous

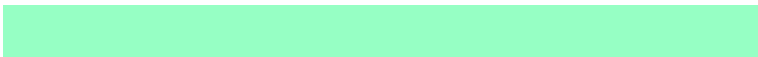
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.2497, 0.3894, 0.4227



84.2497, 0.3391, 0.4304



84.2497, 0.2842, 0.4029

Triad

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



84.2497, 0.3391, 0.4304



84.2497, 0.2142, 0.2569



84.2497, 0.3888, 0.3046

Complementary

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



84.2497, 0.3391, 0.4304



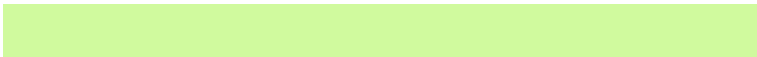
43.6404, 0.2762, 0.2261

Split Complementary

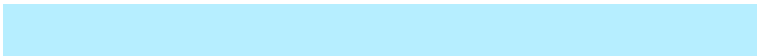
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.2497, 0.3349, 0.2687



84.2497, 0.3391, 0.4304



84.2497, 0.2363, 0.2410

Square

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



84.2497, 0.3391, 0.4304



84.2497, 0.2151, 0.2948



84.2497, 0.2789, 0.2459



84.2497, 0.4212, 0.3476

Rectangle

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



84.2497, 0.3391, 0.4304



84.2497, 0.2525, 0.3688



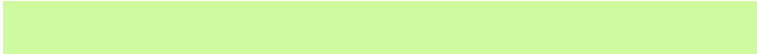
84.2497, 0.2789, 0.2459



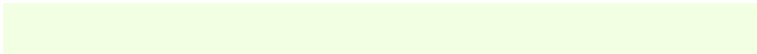
84.2497, 0.3723, 0.2915

Sweetspot

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



84.2534, 0.3391, 0.4304



95.9764, 0.3210, 0.3569



63.8288, 0.3863, 0.3730



20.4429, 0.3220, 0.3605



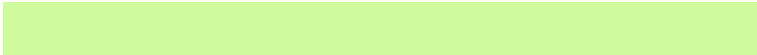
0.0000, 0.0000, 0.0000



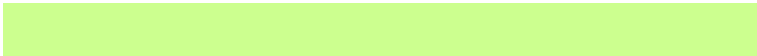
21.4041, 0.3127, 0.3290

Same Dimension

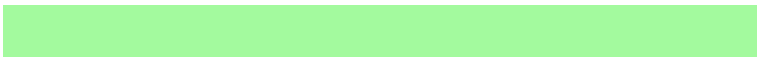
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2534, 0.3391, 0.4304



86.3076, 0.3433, 0.4519



78.5851, 0.3101, 0.4401



19.7742, 0.3198, 0.3529



39.1267, 0.3427, 0.5661



3.6868, 0.3513, 0.5593

Inverse Universe

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



43.6404, 0.2762, 0.2261



38.2729, 0.2668, 0.2039



50.8473, 0.3132, 0.2367



17.0309, 0.3051, 0.3050



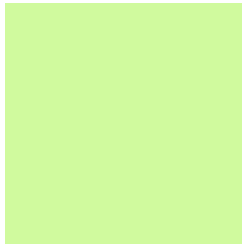
5.6439, 0.1940, 0.0842



0.5849, 0.2071, 0.0914

Previews

White Background



This preview shows how the Yxy color 84.2497, 0.3391, 0.4304 looks on a white background.

Color Contrast Check

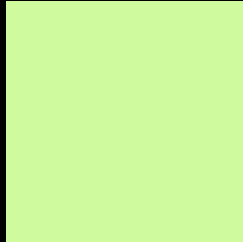
Large Text (above 18pt) WCAG AA × Fail

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 84.2497, 0.3391, 0.4304 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 84.2497, 0.3391, 0.4304

Background



This preview shows how black text looks on a background with the Yxy color 84.2497, 0.3391, 0.4304.

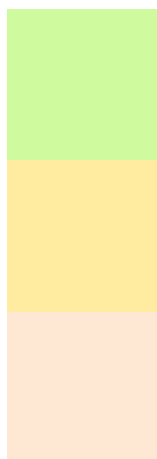


This preview shows how white text looks on a background with the Yxy color 84.2497, 0.3391, 0.4304.

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

84.2497, 0.3391, 0.4304

Protanopia

83.8241, 0.3747, 0.4044

Deuteranopia

83.6764, 0.3425, 0.3501



Tritanopia

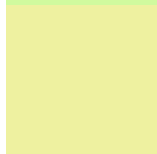
84.0570, 0.2930, 0.3116

Trichromacy



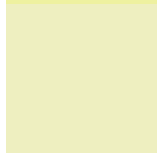
Original Color

84.2497, 0.3391, 0.4304



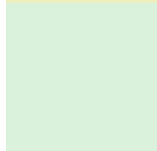
Protanomaly

83.6258, 0.3613, 0.4135



Deuteranomaly

83.7159, 0.3417, 0.3781



Tritanomaly

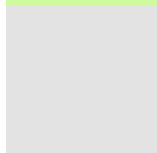
83.5770, 0.3103, 0.3525

Monochromacy



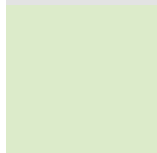
Original Color

84.2497, 0.3391, 0.4304



Achromatopsia

76.8151, 0.3127, 0.3290



Achromatomaly

78.8966, 0.3232, 0.3649

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2497, 0.3391, 0.4304 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(208, 250, 158)` looks like.

```
.text, #text, p{  
    color:rgb(208, 250, 158)  
}
```

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(208, 250, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(208, 250, 158) }
```

Border

The CSS property to change the border of an element to Yxy 84.2497, 0.3391, 0.4304 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(208, 250, 158) }
```

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

```
.border{ border-color:rgb(208, 250, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(208, 250, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(208, 250, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(208, 250, 158);  
box-shadow:4px 4px 4px 4px rgb(208, 250,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2497, 0.3391, 0.4304 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(208, 250, 158) }
```

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

```
.background{ background-color: rgb(208,  
250, 158) }
```

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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