

Converting Colors

$Yxy(83.9250, 0.3328, 0.4089)$

Have a look what the booklet for
Yxy(83.9250, 0.3328, 0.4089)
contains.

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Color

Yxy(84.2270, 0.3325, 0.4091)

Conversions

Conversions Part 1

Format	Color
Hex	D4F8AF
RGB	212, 248, 175
RGB Percent	83%, 97%, 69%
CMY	0.1686, 0.0274, 0.3138
CMYK	0.15, 0.00, 0.29, 0.03
HSL	90°, 84%, 83%
HSV	90°, 29%, 97%
XYZ	68.4563, 84.2270, 53.2003
YIQ	228.9140, 1.9770, -30.3350

Conversions

Conversions Part 2

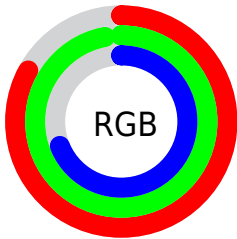
Format	Color
RYB	175, 248, 211
Decimal	13957295
CIELab	93.55, -24.00, 31.35
CIElCh	94, 39.487, 127.438
Yxy	84.2270, 0.3325, 0.4091
Android (android.graphics.Color)	4292147375 (0xFFD4F8AF)
YUV	228.9140, -26.5796, -14.8336
Hunter-Lab	91.7753, -27.4614, 29.8734

Details

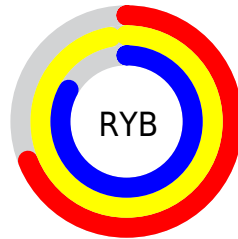
The Yxy color **84.2270, 0.3325, 0.4091** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **51.2813, 0.2870, 0.2489**, and the grayscale version is **78.4880, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5495, 0.3268, 0.3522**, and **46.2725, 0.3359, 0.4286** is the 20% darker color. If you saturate the color by 10%, you get **81.5949, 0.3382, 0.4391**, and if you desaturate by 10%, it is **87.1831, 0.3260, 0.3801**.

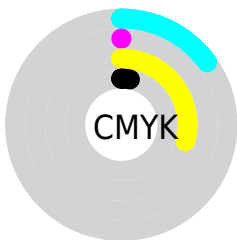
Distribution



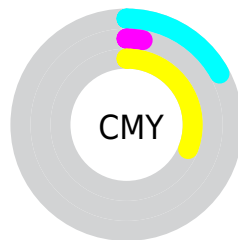
- Red (83%)
- Green (97%)
- Blue (69%)



- Red (69%)
- Yellow (97%)
- Blue (83%)



- Cyan (15%)
- Magenta (0%)
- Yellow (29%)
- Black (3%)





- Cyan (17%)
- Magenta (3%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 84.2270, 0.3325, 0.4091 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 84.2270, 0.3325, 0.4091 by changing the saturation by 10% instead.


 84.2270, 0.3325,
0.4091

 84.2270, 0.3325,
0.4091

509.0667, 0.3245,
0.3717

 63.2029, 0.3340,
0.4177


 139.2927, 0.3300,
0.3961

 46.0053, 0.3357,
0.4283


174.1030, 0.3289,
0.3910

 32.2500, 0.3376,
0.4416


214.2775, 0.3280,
0.3867

 21.5526, 0.3397,
0.4590

260.2006, 0.3271,
0.3829

 13.5285, 0.3415,
0.4824

312.2567, 0.3264,
0.3796

 7.7935, 0.3425,
0.5152


370.8301, 0.3257,


 3.9631, 0.3414,


0.3766


0.5663


436.3054, 0.3251,
0.3740


 1.6529, 0.3369,
0.6631


 0.3929, 0.0000,
1.0000

 84.2270, 0.3325,
0.4091


 84.2270, 0.3325,
0.4091


 81.5949, 0.3382,
0.4391


 87.1831, 0.3260,
0.3801


 79.2629, 0.3428,
0.4691

 90.4641, 0.3192,
0.3528

 77.2207, 0.3458,
0.4977

 94.0850, 0.3123,
0.3277

 75.4532, 0.3467,
0.5234

 95.6183, 0.3130,
0.3223

■ 73.9433, 0.3454,
0.5446

■ 72.6712, 0.3419,
0.5603

■ 71.6078, 0.3366,
0.5707

■ 71.5528, 0.3363,
0.5712

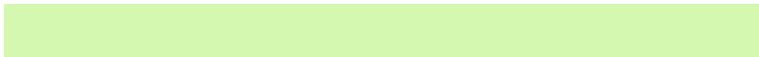
Harmonies

Analogous

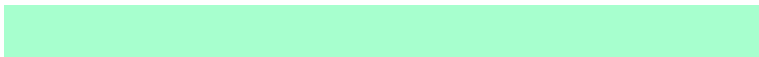
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.2270, 0.3736, 0.4061



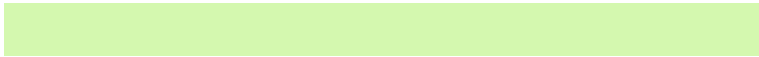
84.2270, 0.3325, 0.4091



84.2270, 0.2879, 0.3855

Triad

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



84.2270, 0.3325, 0.4091



84.2270, 0.2323, 0.2695



84.2270, 0.3760, 0.3115

Complementary

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



84.2270, 0.3325, 0.4091



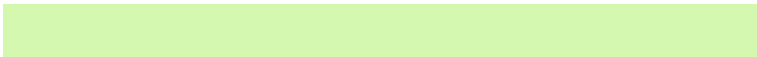
51.2813, 0.2870, 0.2489

Split Complementary

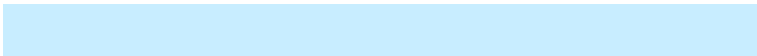
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.2270, 0.3337, 0.2809



84.2270, 0.3325, 0.4091



84.2270, 0.2519, 0.2566

Square

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



84.2270, 0.3325, 0.4091



84.2270, 0.2321, 0.3001



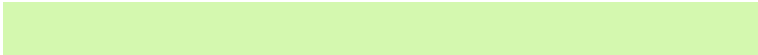
84.2270, 0.2880, 0.2612



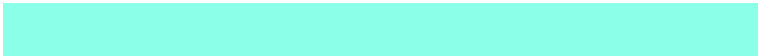
84.2270, 0.4007, 0.3476

Rectangle

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



84.2270, 0.3325, 0.4091



84.2270, 0.2622, 0.3584



84.2270, 0.2880, 0.2612



84.2270, 0.3632, 0.3004

Sweetspot

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



84.2307, 0.3325, 0.4091



96.5257, 0.3189, 0.3517



69.2842, 0.3679, 0.3664



20.5462, 0.3199, 0.3555



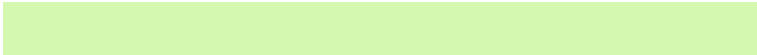
0.0000, 0.0000, 0.0000



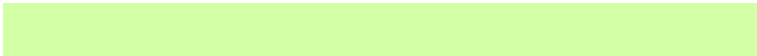
21.4041, 0.3127, 0.3290

Same Dimension

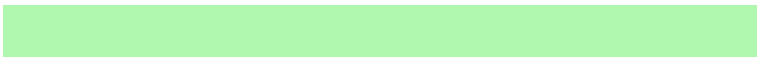
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.2307, 0.3325, 0.4091



88.1119, 0.3358, 0.4259



79.4873, 0.3094, 0.4150



19.7416, 0.3193, 0.3530



38.7345, 0.3375, 0.5703



3.6506, 0.3464, 0.5632

Inverse Universe

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



51.2813, 0.2870, 0.2489



48.0676, 0.2809, 0.2322



57.1694, 0.3152, 0.2554



17.0632, 0.3057, 0.3050



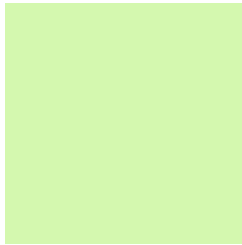
5.9905, 0.2008, 0.0880



0.6178, 0.2137, 0.0951

Previews

White Background



This preview shows how the Yxy color 84.2270, 0.3325, 0.4091 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 84.2270, 0.3325, 0.4091 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

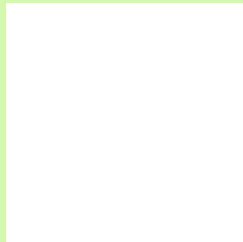
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 84.2270, 0.3325, 0.4091

Background



This preview shows how black text looks on a background with the Yxy color 84.2270, 0.3325, 0.4091.

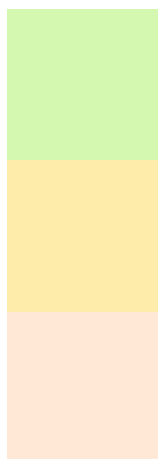


This preview shows how white text looks on a background with the Yxy color 84.2270, 0.3325, 0.4091.

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

84.2270, 0.3325, 0.4091

Protanopia

83.9640, 0.3682, 0.3957

Deuteranopia

83.8283, 0.3405, 0.3471



Tritanopia

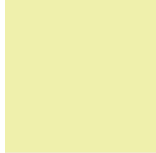
83.7959, 0.2943, 0.3106

Trichromacy



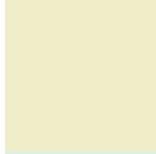
Original Color

84.2270, 0.3325, 0.4091



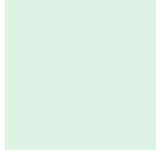
Protanomaly

83.6495, 0.3548, 0.4000



Deuteranomaly

83.6699, 0.3374, 0.3686



Tritanomaly

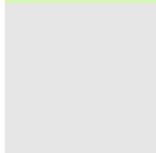
83.6172, 0.3081, 0.3449

Monochromacy



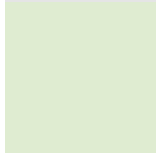
Original Color

84.2270, 0.3325, 0.4091



Achromatopsia

78.3538, 0.3127, 0.3290



Achromatomaly

80.2823, 0.3208, 0.3580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.2270, 0.3325, 0.4091 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(212, 248, 175)` looks like.

```
.text, #text, p{  
    color:rgb(212, 248, 175)  
}
```

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(212, 248, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(212, 248, 175) }
```

Border

The CSS property to change the border of an element to Yxy 84.2270, 0.3325, 0.4091 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(212, 248, 175) }
```

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

```
.border{ border-color:rgb(212, 248, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(212, 248, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(212, 248, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(212, 248, 175);  
box-shadow:4px 4px 4px 4px rgb(212, 248,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 84.2270, 0.3325, 0.4091 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(212, 248, 175) }
```

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

```
.background{ background-color: rgb(212,  
248, 175) }
```

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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