

Converting Colors

$Y_{xy}(82.9830, 0.3455, 0.4020)$

Have a look what the booklet for
Yxy(82.9830, 0.3455, 0.4020)
contains.

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Color

Yxy(83.0542, 0.3453, 0.4017)

Conversions

Conversions Part 1

Format	Color
Hex	E4F2AE
RGB	228, 242, 174
RGB Percent	89%, 95%, 68%
CMY	0.1058, 0.0510, 0.3177
CMYK	0.06, 0.00, 0.28, 0.05
HSL	72°, 72%, 82%
HSV	72°, 28%, 95%
XYZ	71.3931, 83.0542, 52.3095
YIQ	230.0620, 13.4840, -24.1160

Conversions

Conversions Part 2

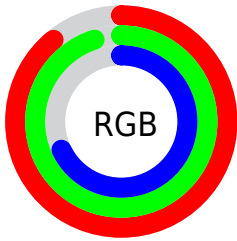
Format	Color
RYB	174, 242, 188
Decimal	15004334
CIELab	93.04, -15.48, 31.36
CIElCh	93, 34.971, 116.279
Yxy	83.0542, 0.3453, 0.4017
Android (android.graphics.Color)	4293194414 (0xFFE4F2AE)
YUV	230.0620, -27.6386, -1.8084
Hunter-Lab	91.1341, -19.6503, 29.7624

Details

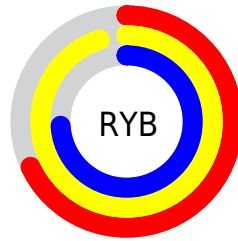
The Yxy color $83.0542, 0.3453, 0.4017$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $47.3684, 0.2736, 0.2497$, and the grayscale version is $79.3847, 0.3127, 0.3290$.

A 20% lighter version of the original color is $98.4932, 0.3274, 0.3532$, and $45.2689, 0.3517, 0.4187$ is the 20% darker color. If you saturate the color by 10%, you get $81.3959, 0.3563, 0.4284$, and if you desaturate by 10%, it is $84.9133, 0.3337, 0.3750$.

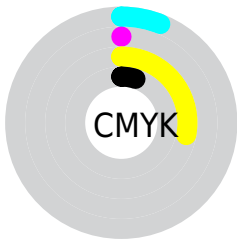
Distribution



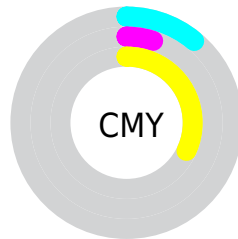
- Red (89%)
- Green (95%)
- Blue (68%)



- Red (68%)
- Yellow (95%)
- Blue (74%)



- Cyan (6%)
- Magenta (0%)
- Yellow (28%)
- Black (5%)




- Cyan (11%)
- Magenta (5%)
- Yellow (32%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 83.0542, 0.3453, 0.4017 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 83.0542, 0.3453, 0.4017 by changing the saturation by 10% instead.


 83.0542, 0.3453,
0.4017

 83.0542, 0.3453,
0.4017

505.1671, 0.3313,
0.3681

 62.2349, 0.3482,
0.4093


 137.6514, 0.3407,
0.3901

 45.2225, 0.3517,
0.4186


172.1980, 0.3388,
0.3855

 31.6327, 0.3558,
0.4304


212.0892, 0.3371,
0.3816

 21.0811, 0.3607,
0.4455

257.7093, 0.3357,
0.3782

 13.1833, 0.3665,
0.4655

309.4428, 0.3344,
0.3752

 7.5549, 0.3731,
0.4932

367.6740, 0.3332,

 3.8115, 0.3815,

0.3726

0.5362

432.7873, 0.3322,
0.3702

■ 1.5687, 0.3901,
0.6099

■ 0.3363, 0.0000,
1.0000

■ 83.0542, 0.3453,
0.4017

■ 83.0542, 0.3453,
0.4017

■ 81.3959, 0.3563,
0.4284

■ 84.9133, 0.3337,
0.3750

■ 79.9180, 0.3661,
0.4541


■ 86.9708, 0.3220,
0.3491

■ 78.6140, 0.3743,
0.4778

■ 89.2384, 0.3106,
0.3244

■ 77.4726, 0.3803,
0.4982


■ 90.6642, 0.3087,
0.3164

 76.4809, 0.3839,
0.5144

 91.5847, 0.3119,
0.3165

 75.6240, 0.3847,
0.5260

 91.9834, 0.3133,
0.3165

 74.8809, 0.3832,
0.5331

 74.7469, 0.3828,
0.5342

Harmonies

Analogous

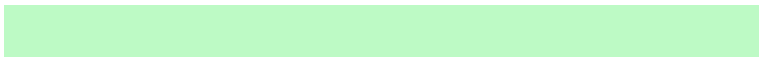
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



83.0542, 0.3778, 0.3918



83.0542, 0.3453, 0.4017



83.0542, 0.3053, 0.3891

Triad

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



83.0542, 0.3453, 0.4017



83.0542, 0.2383, 0.2846



83.0542, 0.3563, 0.3024

Complementary

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



83.0542, 0.3453, 0.4017



47.3684, 0.2736, 0.2497

Split Complementary

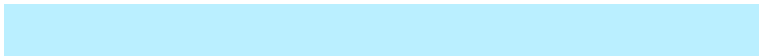
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



83.0542, 0.3161, 0.2778



83.0542, 0.3453, 0.4017



83.0542, 0.2497, 0.2666

Square

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



83.0542, 0.3453, 0.4017



83.0542, 0.2450, 0.3171



83.0542, 0.2773, 0.2648



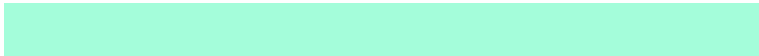
83.0542, 0.3852, 0.3339

Rectangle

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



83.0542, 0.3453, 0.4017



83.0542, 0.2801, 0.3690



83.0542, 0.2773, 0.2648



83.0542, 0.3435, 0.2931

Sweetspot

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



83.0579, 0.3453, 0.4017



97.9689, 0.3220, 0.3489



57.7271, 0.3704, 0.3440



20.8913, 0.3237, 0.3527



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

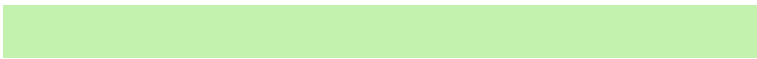
The Same Dimension uses a secret algorithm to generate beautiful new colors.



83.0579, 0.3453, 0.4017



92.3954, 0.3520, 0.4178



78.0812, 0.3221, 0.4073



18.2856, 0.3236, 0.3526



40.2152, 0.3834, 0.5337



3.3863, 0.3884, 0.5298

Inverse Universe

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



47.3684, 0.2736, 0.2497



45.7892, 0.2634, 0.2303



52.1475, 0.2996, 0.2554



15.3851, 0.3011, 0.3048



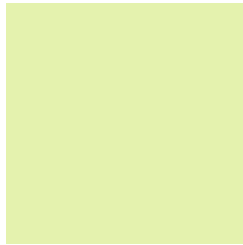
3.8507, 0.1603, 0.0657



0.3613, 0.1722, 0.0722

Previews

White Background



This preview shows how the Yxy color 83.0542, 0.3453, 0.4017 looks on a white background.

Color Contrast Check

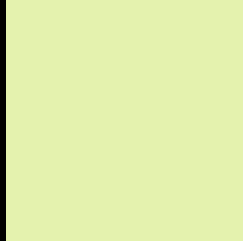
Large Text (above 18pt) WCAG AA × Fail

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 83.0542, 0.3453, 0.4017 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

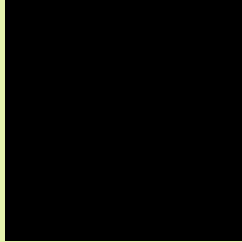
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 83.0542, 0.3453, 0.4017

Background



This preview shows how black text looks on a background with the Yxy color 83.0542, 0.3453, 0.4017.

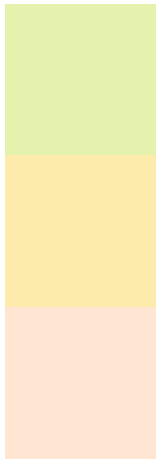


This preview shows how white text looks on a background with the Yxy color 83.0542, 0.3453, 0.4017.

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

83.0542, 0.3453, 0.4017

Protanopia

83.0524, 0.3663, 0.3941

Deuteranopia

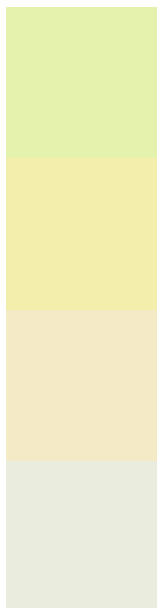
82.5568, 0.3428, 0.3482



Tritanopia

82.7925, 0.3056, 0.3109

Trichromacy



Original Color

83.0542, 0.3453, 0.4017

Protanomaly

83.1823, 0.3583, 0.3974

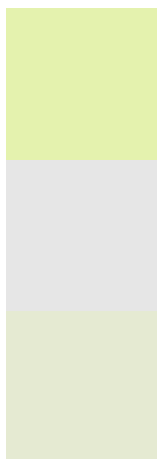
Deuteranomaly

82.3353, 0.3437, 0.3662

Tritanomaly

82.7573, 0.3201, 0.3436

Monochromacy



Original Color

83.0542, 0.3453, 0.4017

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

80.1568, 0.3245, 0.3545

CSS Examples

Text

The CSS property to change the color of the text to Yxy 83.0542, 0.3453, 0.4017 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(228, 242, 174)` looks like.

```
.text, #text, p{  
    color:rgb(228, 242, 174)  
}
```

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(228, 242, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 242, 174) }
```

Border

The CSS property to change the border of an element to Yxy 83.0542, 0.3453, 0.4017 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(228, 242, 174) }
```

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

```
.border{ border-color:rgb(228, 242, 174) }
```

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

Here you see how a box with a 4 pixel rgb(228, 242, 174) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(228, 242, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(228, 242, 174);  
box-shadow:4px 4px 4px 4px rgb(228, 242,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 83.0542, 0.3453, 0.4017 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 242, 174) }
```

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

```
.background{ background-color: rgb(228,  
242, 174) }
```

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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