

Converting Colors

$Yxy(82.5482, 0.3515, 0.4077)$

Have a look what the booklet for
Yxy(82.5482, 0.3515, 0.4077)
contains.

Yxy(82.5236, 0.3512, 0.4079)	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(82.5236, 0.3512, 0.4079)

Conversions

Conversions Part 1

Format	Color
Hex	E6F1A7
RGB	230, 241, 167
RGB Percent	90%, 95%, 65%
CMY	0.0982, 0.0548, 0.3451
CMYK	0.05, 0.00, 0.31, 0.05
HSL	69°, 73%, 80%
HSV	69°, 31%, 95%
XYZ	71.0524, 82.5236, 48.7373
YIQ	229.2750, 17.1980, -25.3460

Conversions

Conversions Part 2

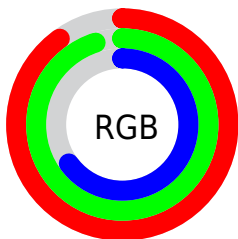
Format	Color
RYB	167, 241, 178
Decimal	15135143
CIELab	92.81, -15.20, 34.61
CIELCh	93, 37.798, 113.718
Yxy	82.5236, 0.3512, 0.4079
Android (android.graphics.Color)	4293325223 (0xFFE6F1A7)
YUV	229.2750, -30.7016, 0.6358
Hunter-Lab	90.8425, -19.3607, 31.7805

Details

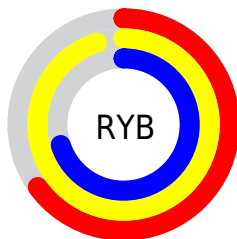
The Yxy color **82.5236, 0.3512, 0.4079** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **43.4570, 0.2661, 0.2406**, and the grayscale version is **78.7857, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.1077, 0.3315, 0.3601**, and **44.9115, 0.3592, 0.4263** is the 20% darker color. If you saturate the color by 10%, you get **81.1279, 0.3630, 0.4338**, and if you desaturate by 10%, it is **84.1051, 0.3387, 0.3816**.

Distribution



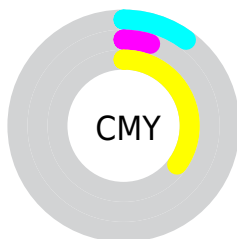
- Red (90%)
- Green (95%)
- Blue (65%)



- Red (65%)
- Yellow (95%)
- Blue (70%)



- Cyan (5%)
- Magenta (0%)
- Yellow (31%)
- Black (5%)





- Cyan (10%)
- Magenta (5%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.5236, 0.3512, 0.4079 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 82.5236, 0.3512, 0.4079 by changing the saturation by 10% instead.


 82.5236, 0.3512,
0.4079

 82.5236, 0.3512,
0.4079


503.3974, 0.3346,
0.3715

 61.7972, 0.3546,
0.4161

 136.9080, 0.3457,
0.3953

 44.8689, 0.3587,
0.4262


 171.3349, 0.3435,
0.3904

 31.3542, 0.3635,
0.4387


211.0973, 0.3416,
0.3862

 20.8687, 0.3692,
0.4548

256.5797, 0.3398,
0.3825

 13.0280, 0.3758,
0.4760

308.1666, 0.3383,
0.3792

 7.4479, 0.3831,
0.5048

366.2422, 0.3370,

 3.7437, 0.3963,

0.3763

0.5549

431.1910, 0.3357,
0.3738

■ 1.5313, 0.3911,
0.6089

■ 0.3106, 0.0000,
1.0000

■ 82.5236, 0.3512,
0.4079

■ 82.5236, 0.3512,
0.4079

■ 81.1279, 0.3630,
0.4338

■ 84.1051, 0.3387,
0.3816

■ 79.8975, 0.3735,
0.4581


■ 85.8700, 0.3261,
0.3556

■ 78.8261, 0.3822,
0.4799


■ 87.8299, 0.3136,
0.3307


■ 77.9021, 0.3886,
0.4981


■ 89.4396, 0.3065,
0.3153


 77.1126, 0.3924,
0.5120

 90.0914, 0.3088,
0.3154

 76.4418, 0.3936,
0.5212

 90.7559, 0.3111,
0.3155

 75.9017, 0.3928,
0.5263

 91.4016, 0.3133,
0.3156

Harmonies

Analogous

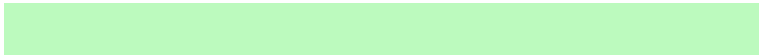
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.5236, 0.3853, 0.3948



82.5236, 0.3512, 0.4079



82.5236, 0.3082, 0.3967

Triad

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



82.5236, 0.3512, 0.4079



82.5236, 0.2325, 0.2832



82.5236, 0.3564, 0.2976

Complementary

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



82.5236, 0.3512, 0.4079



43.4570, 0.2661, 0.2406

Split Complementary

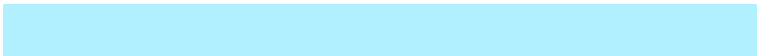
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.5236, 0.3124, 0.2721



82.5236, 0.3512, 0.4079



82.5236, 0.2430, 0.2626

Square

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



82.5236, 0.3512, 0.4079



82.5236, 0.2412, 0.3194



82.5236, 0.2713, 0.2594



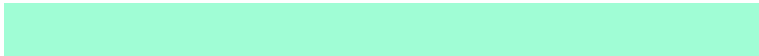
82.5236, 0.3894, 0.3309

Rectangle

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



82.5236, 0.3512, 0.4079



82.5236, 0.2805, 0.3758



82.5236, 0.2713, 0.2594



82.5236, 0.3423, 0.2880

Sweetspot

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



82.5273, 0.3512, 0.4079



97.9645, 0.3239, 0.3514



52.8831, 0.3791, 0.3401



20.9017, 0.3258, 0.3551



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

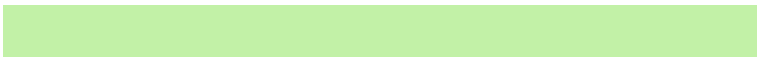
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.5273, 0.3512, 0.4079



92.7645, 0.3588, 0.4246



77.1984, 0.3261, 0.4147



18.3324, 0.3245, 0.3525



41.1996, 0.3932, 0.5260



3.4596, 0.3969, 0.5231

Inverse Universe

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



43.4570, 0.2661, 0.2406



41.6723, 0.2543, 0.2192



48.2633, 0.2940, 0.2473



15.3421, 0.3003, 0.3047



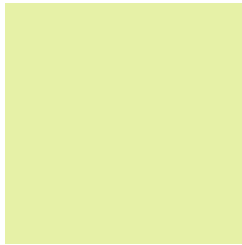
3.6829, 0.1561, 0.0634



0.3406, 0.1663, 0.0690

Previews

White Background



This preview shows how the Yxy color 82.5236, 0.3512, 0.4079 looks on a white background.

Color Contrast Check

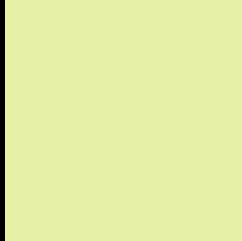
Large Text (above 18pt) WCAG AA × Fail

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 82.5236, 0.3512, 0.4079 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

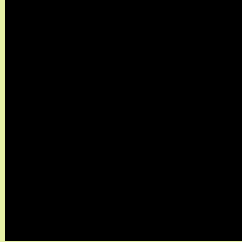
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.5236, 0.3512, 0.4079

Background



This preview shows how black text looks on a background with the Yxy color 82.5236, 0.3512, 0.4079.

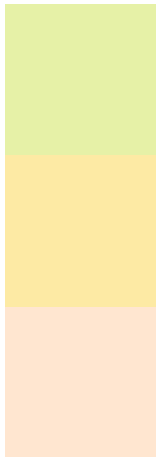


This preview shows how white text looks on a background with the Yxy color 82.5236, 0.3512, 0.4079.

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

82.5236, 0.3512, 0.4079

Protanopia

82.4086, 0.3719, 0.4000

Deuteranopia

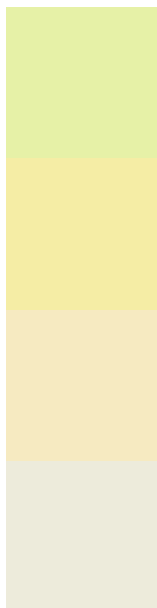
82.4077, 0.3449, 0.3512



Tritanopia

82.6922, 0.3082, 0.3110

Trichromacy



Original Color

82.5236, 0.3512, 0.4079

Protanomaly

82.6975, 0.3645, 0.4033

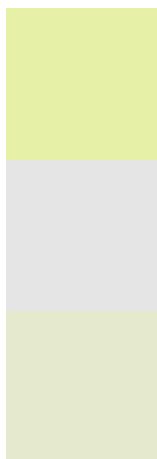
Deuteranomaly

82.2887, 0.3477, 0.3713

Tritanomaly

82.5357, 0.3242, 0.3456

Monochromacy



Original Color

82.5236, 0.3512, 0.4079

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.3921, 0.3272, 0.3578

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.5236, 0.3512, 0.4079 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(230, 241, 167)` looks like.

```
.text, #text, p{  
    color:rgb(230, 241, 167)  
}
```

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(230, 241, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 241, 167) }
```

Border

The CSS property to change the border of an element to Yxy 82.5236, 0.3512, 0.4079 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(230, 241, 167) }
```

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

```
.border{ border-color:rgb(230, 241, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(230, 241, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 241, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 241, 167);  
box-shadow:4px 4px 4px 4px rgb(230, 241,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 82.5236, 0.3512, 0.4079 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 241, 167) }
```

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

```
.background{ background-color: rgb(230,  
241, 167) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor