

Converting Colors

$Y_{xy}(82.6070, 0.3425, 0.4011)$

Have a look what the booklet for
Yxy(82.6070, 0.3425, 0.4011)
contains.

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Color

Yxy(82.6070, 0.3425, 0.4011)

Conversions

Conversions Part 1

Format	Color
Hex	E1F2AF
RGB	225, 242, 175
RGB Percent	88%, 95%, 69%
CMY	0.1178, 0.0509, 0.3136
CMYK	0.07, 0.00, 0.28, 0.05
HSL	75°, 72%, 82%
HSV	75°, 28%, 95%
XYZ	70.5383, 82.6070, 52.8059
YIQ	229.2790, 11.3750, -24.4410

Conversions

Conversions Part 2

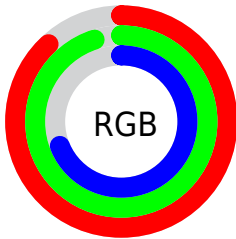
Format	Color
RYB	175, 242, 192
Decimal	14807727
CIELab	92.84, -16.46, 30.52
CIELCh	93, 34.679, 118.334
Yxy	82.6070, 0.3425, 0.4011
Android (android.graphics.Color)	4292997807 (0xFFE1F2AF)
YUV	229.2790, -26.7595, -3.7527
Hunter-Lab	90.8884, -20.5213, 29.1746

Details

The Yxy color **82.6070, 0.3425, 0.4011** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **48.3056, 0.2767, 0.2516**, and the grayscale version is **78.7668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.5495, 0.3268, 0.3522**, and **44.9580, 0.3482, 0.4182** is the 20% darker color. If you saturate the color by 10%, you get **80.7713, 0.3526, 0.4284**, and if you desaturate by 10%, it is **84.6561, 0.3318, 0.3741**.

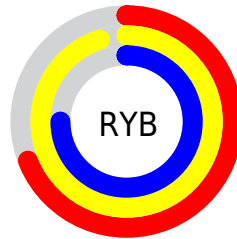
Distribution



Red (88%)

Green (95%)

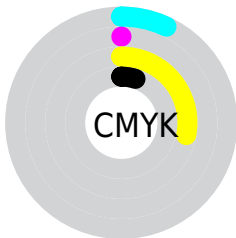
Blue (69%)



Red (69%)

Yellow (95%)

Blue (75%)

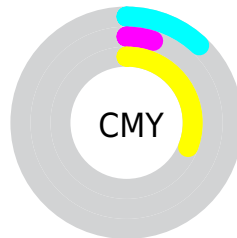


Cyan (7%)

Magenta (0%)

Yellow (28%)

Black (5%)



Cyan (12%)


Magenta (5%)

Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.6070, 0.3425, 0.4011 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 82.6070, 0.3425, 0.4011 by changing the saturation by 10% instead.


 82.6070, 0.3425,
0.4011

 82.6070, 0.3425,
0.4011

503.6758, 0.3297,
0.3677

 61.8660, 0.3451,
0.4087


 137.0249, 0.3383,
0.3895

 44.9244, 0.3483,
0.4180


171.4706, 0.3366,
0.3850

 31.3979, 0.3520,
0.4298


211.2533, 0.3351,
0.3811

 20.9020, 0.3564,
0.4450

256.7574, 0.3337,
0.3777

 13.0524, 0.3616,
0.4653

308.3673, 0.3326,
0.3748

 7.4646, 0.3674,
0.4934

366.4674, 0.3315,

 3.7543, 0.3743,

0.3721

0.5371

431.4421, 0.3306,
0.3698

■ 1.5371, 0.3830,
0.6170

■ 0.3146, 0.0000,
1.0000

■ 82.6070, 0.3425,
0.4011

■ 82.6070, 0.3425,
0.4011

■ 80.7713, 0.3526,
0.4284

■ 84.6561, 0.3318,
0.3741

■ 79.1287, 0.3616,
0.4549

■ 86.9164, 0.3209,
0.3480

■ 77.6723, 0.3690,
0.4796

■ 89.3999, 0.3103,
0.3234

■ 76.3909, 0.3743,
0.5011

■ 90.9811, 0.3098,
0.3164

■ 75.2714, 0.3770,
0.5187

■ 91.9906, 0.3133,
0.3166

■ 74.2986, 0.3772,
0.5314

■ 73.4525, 0.3749,
0.5395

■ 73.2666, 0.3743,
0.5410

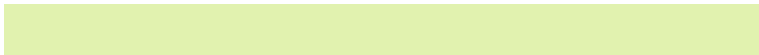
Harmonies

Analogous

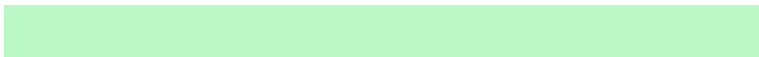
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.6070, 0.3756, 0.3927



82.6070, 0.3425, 0.4011



82.6070, 0.3027, 0.3870

Triad

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



82.6070, 0.3425, 0.4011



82.6070, 0.2390, 0.2831



82.6070, 0.3585, 0.3045

Complementary

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



82.6070, 0.3425, 0.4011



48.3056, 0.2767, 0.2516

Split Complementary

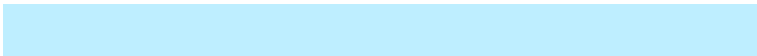
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.6070, 0.3189, 0.2794



82.6070, 0.3425, 0.4011



82.6070, 0.2515, 0.2663

Square

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



82.6070, 0.3425, 0.4011



82.6070, 0.2444, 0.3147



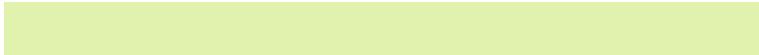
82.6070, 0.2799, 0.2656



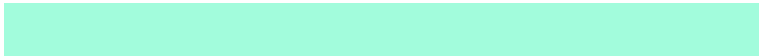
82.6070, 0.3860, 0.3361

Rectangle

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



82.6070, 0.3425, 0.4011



82.6070, 0.2779, 0.3663



82.6070, 0.2799, 0.2656



82.6070, 0.3460, 0.2952

Sweetspot

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



82.6107, 0.3425, 0.4011



97.7839, 0.3213, 0.3489



59.5812, 0.3683, 0.3474



20.8445, 0.3230, 0.3528



0.0000, 0.0000, 0.0000



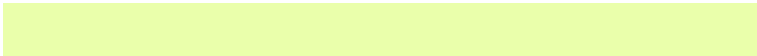
21.4041, 0.3127, 0.3290

Same Dimension

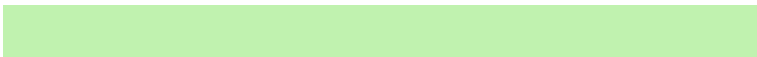
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.6107, 0.3425, 0.4011



91.8778, 0.3481, 0.4159



77.7859, 0.3198, 0.4065



18.2448, 0.3229, 0.3526



39.4240, 0.3750, 0.5404



3.3267, 0.3811, 0.5356

Inverse Universe

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



48.3056, 0.2767, 0.2516



47.5295, 0.2681, 0.2343



53.1393, 0.3025, 0.2572



15.4230, 0.3019, 0.3049



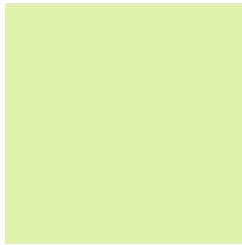
4.0414, 0.1650, 0.0683



0.3821, 0.1780, 0.0754

Previews

White Background



This preview shows how the Yxy color 82.6070, 0.3425, 0.4011 looks on a white background.

Color Contrast Check

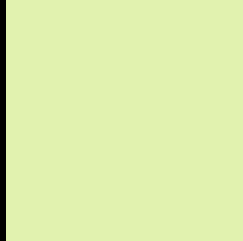
Large Text (above 18pt) WCAG AA × Fail

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 82.6070, 0.3425, 0.4011 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

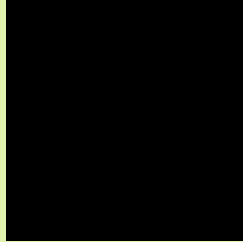
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.6070, 0.3425, 0.4011

Background



This preview shows how black text looks on a background with the Yxy color 82.6070, 0.3425, 0.4011.

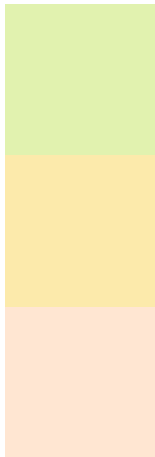


This preview shows how white text looks on a background with the Yxy color 82.6070, 0.3425, 0.4011.

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

82.6070, 0.3425, 0.4011

Protanopia

82.4814, 0.3666, 0.3932

Deuteranopia

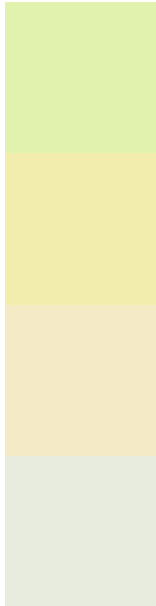
82.5068, 0.3435, 0.3492



Tritanopia

82.3404, 0.3030, 0.3098

Trichromacy



Original Color

82.6070, 0.3425, 0.4011

Protanomaly

82.4242, 0.3578, 0.3967

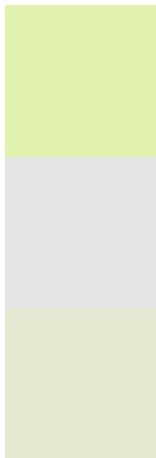
Deuteranomaly

82.1100, 0.3436, 0.3673

Tritanomaly

82.3075, 0.3175, 0.3426

Monochromacy



Original Color

82.6070, 0.3425, 0.4011

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.9431, 0.3244, 0.3557

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.6070, 0.3425, 0.4011 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(225, 242, 175)` looks like.

```
.text, #text, p{  
    color:rgb(225, 242, 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(225, 242, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 242, 175) }
```

Border

The CSS property to change the border of an element to Yxy 82.6070, 0.3425, 0.4011 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(225, 242, 175) }
```

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

```
.border{ border-color:rgb(225, 242, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 242, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 242, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 242, 175);  
box-shadow:4px 4px 4px 4px rgb(225, 242,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 82.6070, 0.3425, 0.4011 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 242, 175) }
```

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

```
.background{ background-color: rgb(225,  
242, 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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