

# Converting Colors

$Yxy(82.3764, 0.3462, 0.4076)$

Have a look what the booklet for  
Yxy(82.3764, 0.3462, 0.4076)  
contains.

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# Color

**Yxy(82.3764, 0.3462, 0.4076)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E1F2A9
RGB	225, 242, 169
RGB Percent	88%, 95%, 66%
CMY	0.1176, 0.0510, 0.3372
CMYK	0.07, 0.00, 0.30, 0.05
HSL	74°, 74%, 81%
HSV	74°, 30%, 95%
XYZ	69.9674, 82.3764, 49.7573
YIQ	228.5950, 13.3010, -26.3070

# Conversions

## Conversions Part 2

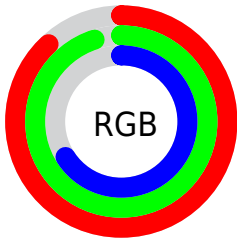
Format	Color
<a href="#">RYB</a>	<a href="#">169, 242, 186</a>
Decimal	<a href="#">14807721</a>
CIELab	<a href="#">92.74, -17.25, 33.43</a>
CIELCh	<a href="#">93, 37.620, 117.287</a>
Yxy	<a href="#">82.3764, 0.3462, 0.4076</a>
Android (android.graphics.Color)	<a href="#">4292997801 (0xFFE1F2A9)</a>
YUV	<a href="#">228.5950, -29.3803, -3.1528</a>
Hunter-Lab	<a href="#">90.7614, -21.2281, 31.0290</a>

# Details

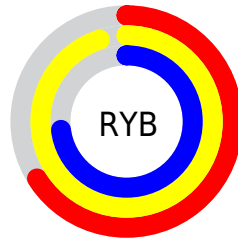
The Yxy color  $82.3764, 0.3462, 0.4076$  is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be  $45.2357, 0.2717, 0.2435$ , and the grayscale version is  $78.2577, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $98.2162, 0.3304, 0.3582$ , and  $44.8138, 0.3527, 0.4264$  is the 20% darker color. If you saturate the color by 10%, you get  $80.6625, 0.3565, 0.4345$ , and if you desaturate by 10%, it is  $84.2958, 0.3352, 0.3806$ .

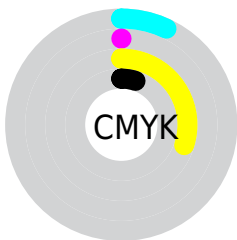
# Distribution



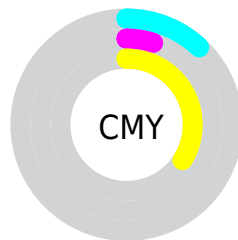
- Red (88%)
- Green (95%)
- Blue (66%)



- Red (66%)
- Yellow (95%)
- Blue (73%)



- Cyan (7%)
- Magenta (0%)
- Yellow (30%)
- Black (5%)




- Cyan (12%)
- Magenta (5%)
- Yellow (34%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.3764, 0.3462, 0.4076 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 82.3764, 0.3462, 0.4076 by changing the saturation by 10% instead.




 82.3764, 0.3462,  
0.4076

 82.3764, 0.3462,  
0.4076


502.9059, 0.3319,  
0.3711

 61.6758, 0.3491,  
0.4159


 136.7017, 0.3415,  
0.3950

 44.7708, 0.3526,  
0.4260


171.0953, 0.3396,  
0.3901

 31.2770, 0.3566,  
0.4388


210.8219, 0.3379,  
0.3858

 20.8098, 0.3614,  
0.4552

256.2661, 0.3364,  
0.3821

 12.9851, 0.3669,  
0.4770

307.8122, 0.3351,  
0.3789

 7.4183, 0.3726,  
0.5069

365.8446, 0.3339,

 3.7250, 0.3821,

0.3760

0.5575

430.7477, 0.3328,  
0.3734

■ 1.5210, 0.3774,  
0.6226

■ 0.3034, 0.0000,  
1.0000

■ 82.3764, 0.3462,  
0.4076

■ 82.3764, 0.3462,  
0.4076

■ 80.6625, 0.3565,  
0.4345

■ 84.2958, 0.3352,  
0.3806

■ 79.1334, 0.3655,  
0.4604

■ 86.4185, 0.3240,  
0.3543

■ 77.7825, 0.3728,  
0.4839

■ 88.7564, 0.3129,  
0.3294

■ 76.5979, 0.3779,  
0.5041

■ 90.6007, 0.3085,  
0.3163

 75.5664, 0.3804,  
0.5201

 91.6441, 0.3121,  
0.3165

 74.6722, 0.3802,  
0.5312

 91.9863, 0.3133,  
0.3165

 73.9004, 0.3780,  
0.5381

# Harmonies

## Analogous

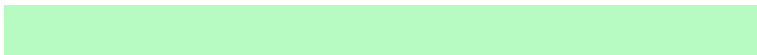
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.3764, 0.3818, 0.3972



82.3764, 0.3462, 0.4076



82.3764, 0.3031, 0.3934

# Triad

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



82.3764, 0.3462, 0.4076



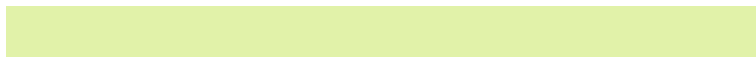
82.3764, 0.2330, 0.2801



82.3764, 0.3610, 0.3014

# Complementary

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



82.3764, 0.3462, 0.4076



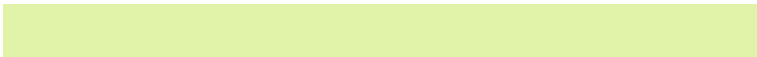
45.2357, 0.2717, 0.2435

# Split Complementary

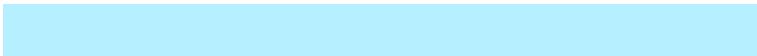
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



82.3764, 0.3177, 0.2748



82.3764, 0.3462, 0.4076



82.3764, 0.2458, 0.2616

# Square

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



82.3764, 0.3462, 0.4076



82.3764, 0.2395, 0.3146



82.3764, 0.2758, 0.2604

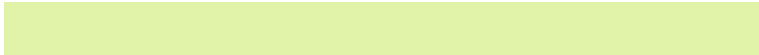


82.3764, 0.3917, 0.3351

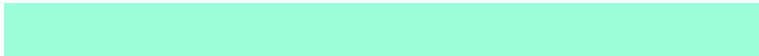


# Rectangle

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



82.3764, 0.3462, 0.4076



82.3764, 0.2761, 0.3710



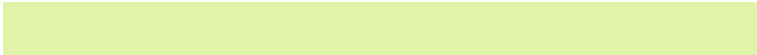
82.3764, 0.2758, 0.2604



82.3764, 0.3473, 0.2914

# Sweetspot

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



82.3801, 0.3462, 0.4076



97.6093, 0.3227, 0.3514



56.3712, 0.3756, 0.3465



20.8137, 0.3244, 0.3552



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

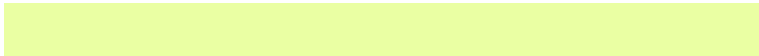


# Same Dimension

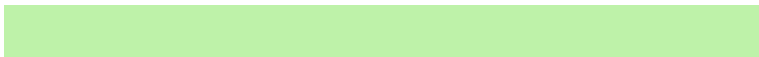
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.3801, 0.3462, 0.4076



91.5996, 0.3524, 0.4237



77.2800, 0.3219, 0.4140



18.2627, 0.3232, 0.3526



39.7637, 0.3787, 0.5375



3.3524, 0.3843, 0.5331



# Inverse Universe

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



45.2357, 0.2717, 0.2435



43.7476, 0.2617, 0.2241



50.2175, 0.2994, 0.2500



15.4063, 0.3016, 0.3048



3.9524, 0.1628, 0.0671

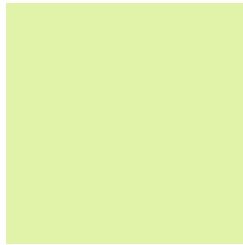


0.3726, 0.1754, 0.0740



# Previews

## White Background



This preview shows how the Yxy color 82.3764, 0.3462, 0.4076 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 82.3764, 0.3462, 0.4076 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

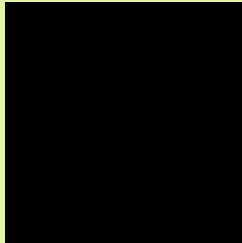
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

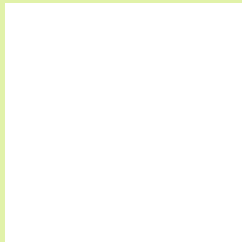
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 82.3764, 0.3462, 0.4076**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.3764, 0.3462, 0.4076.

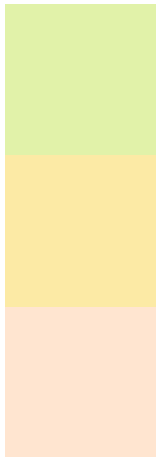


This preview shows how white text looks on a background with the Yxy color 82.3764, 0.3462, 0.4076.

# 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

82.3764, 0.3462, 0.4076

### Protanopia

82.2577, 0.3706, 0.3992

### Deuteranopia

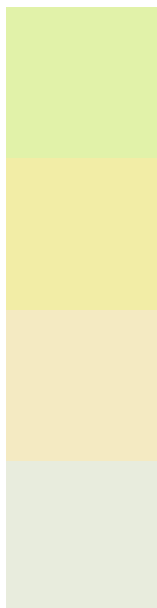
81.8527, 0.3450, 0.3502



## Tritanopia

82.4482, 0.3043, 0.3108

# Trichromacy



**Original Color**

82.3764, 0.3462, 0.4076

**Protanomaly**

82.1988, 0.3616, 0.4029

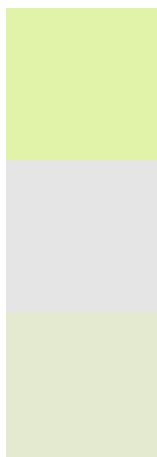
**Deuteranomaly**

81.9738, 0.3456, 0.3705

**Tritanomaly**

82.3672, 0.3194, 0.3447

# Monochromacy



**Original Color**

82.3764, 0.3462, 0.4076

**Achromatopsia**

78.3538, 0.3127, 0.3290

**Achromatomaly**

79.8446, 0.3257, 0.3578

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.3764, 0.3462, 0.4076 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, 169)` looks like.

```
.text, #text, p{  
    color:rgb(225, 242, 169)  
}
```

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, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 242, 169) }
```

## Border

The CSS property to change the border of an element to Yxy 82.3764, 0.3462, 0.4076 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, 169) }
```

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

```
.border{ border-color:rgb(225, 242, 169) }
```

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, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 242, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 242, 169);  
box-shadow:4px 4px 4px 4px rgb(225, 242,  
169) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.3764, 0.3462, 0.4076 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, 169) }
```

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

```
.background{ background-color: rgb(225,  
242, 169) }
```

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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