

# Converting Colors

$Y_{xy}(82.5209, 0.3782, 0.4098)$

Have a look what the booklet for  
Yxy(82.5209, 0.3782, 0.4098)  
contains.

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# Color

**Yxy(82.6324, 0.3780, 0.4107)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FDEB9A
RGB	253, 235, 154
RGB Percent	99%, 92%, 60%
CMY	0.0078, 0.0784, 0.3961
CMYK	0.00, 0.07, 0.39, 0.01
HSL	49°, 96%, 80%
HSV	49°, 39%, 99%
XYZ	76.0532, 82.6324, 42.5133
YIQ	231.1480, 36.7290, -21.3750

# Conversions

## Conversions Part 2

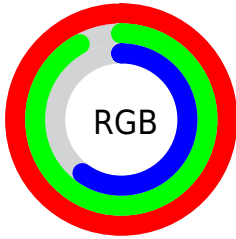
Format	Color
R <sub>Y</sub> B	176, 253, 154
Decimal	16640922
CIE Lab	92.85, -5.00, 41.50
CIE LCh	93, 41.800, 96.876
Yxy	82.6324, 0.3780, 0.4107
Android (android.graphics.Color)	4294831002 (0xFFFDEB9A)
YUV	231.1480, -38.0340, 19.1642
Hunter-Lab	90.9024, -9.7376, 35.9028

# Details

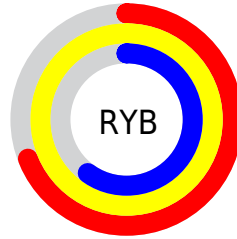
The Yxy color **82.6324, 0.3780, 0.4107** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.4745, 0.2434, 0.2310**, and the grayscale version is **80.2989, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **44.8016, 0.3911, 0.4272** is the 20% darker color. If you saturate the color by 10%, you get **79.2781, 0.3954, 0.4302**, and if you desaturate by 10%, it is **86.2402, 0.3604, 0.3898**.

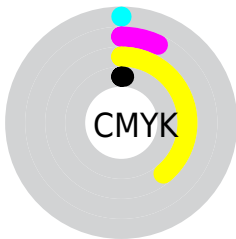
# Distribution



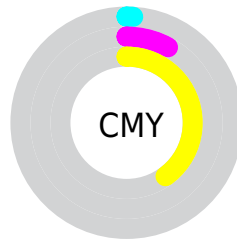
- Red (99%)
- Green (92%)
- Blue (60%)



- Red (69%)
- Yellow (99%)
- Blue (60%)



- Cyan (0%)
- Magenta (7%)
- Yellow (39%)
- Black (1%)




- Cyan (1%)
- Magenta (8%)
- Yellow (40%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.6324, 0.3780, 0.4107 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 82.6324, 0.3780, 0.4107 by changing the saturation by 10% instead.



 82.6324, 0.3780,  
0.4107


 82.6324, 0.3780,  
0.4107


503.7606, 0.3494,  
0.3741

 61.8869, 0.3840,  
0.4186


 137.0605, 0.3684,  
0.3983

 44.9414, 0.3912,  
0.4281


 171.5119, 0.3646,  
0.3934

 31.4112, 0.3997,  
0.4397


211.3008, 0.3613,  
0.3891

 20.9122, 0.4100,  
0.4540

256.8115, 0.3583,  
0.3854

 13.0598, 0.4223,  
0.4717

308.4284, 0.3557,  
0.3821

 7.4698, 0.4364,  
0.4935

366.5360, 0.3534,

 3.7576, 0.4646,

0.3791

0.5354

431.5186, 0.3512,  
0.3765

■ 1.5389, 0.4566,  
0.5434

■ 0.3159, 0.3605,  
0.6395

■ 82.6324, 0.3780,  
0.4107

■ 82.6324, 0.3780,  
0.4107

■ 79.2781, 0.3954,  
0.4302

■ 86.2402, 0.3604,  
0.3898

■ 76.1542, 0.4120,  
0.4474

■ 90.1008, 0.3432,  
0.3685

■ 73.2513, 0.4268,  
0.4612

■ 94.2280, 0.3268,  
0.3475

■ 70.5547, 0.4393,  
0.4707

■ 98.6178, 0.3116,  
0.3275

■ 68.0467, 0.4490, 99.6255, 0.3115,  
0.4755 0.3290

■ 65.7015, 0.4558,  
0.4759

■ 65.5031, 0.4564,  
0.4758

# Harmonies

## Analogous

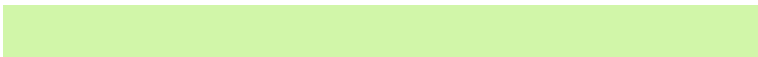
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.6324, 0.4051, 0.3844



82.6324, 0.3780, 0.4107



82.6324, 0.3344, 0.4149

# Triad

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



82.6324, 0.3780, 0.4107



82.6324, 0.2274, 0.2987



82.6324, 0.3340, 0.2775

# Complementary

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



82.6324, 0.3780, 0.4107



43.4745, 0.2434, 0.2310

# 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.



82.6324, 0.2855, 0.2569



82.6324, 0.3780, 0.4107



82.6324, 0.2273, 0.2661

# Square

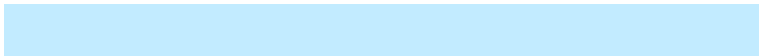
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.6324, 0.3780, 0.4107



82.6324, 0.2484, 0.3450



82.6324, 0.2475, 0.2523



82.6324, 0.3795, 0.3096

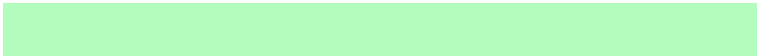


# Rectangle

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



82.6324, 0.3780, 0.4107



82.6324, 0.3024, 0.4015



82.6324, 0.2475, 0.2523



82.6324, 0.3174, 0.2691

# Sweetspot

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



82.6362, 0.3780, 0.4107



94.6828, 0.3314, 0.3535



46.9822, 0.3928, 0.3100



20.1474, 0.3335, 0.3562



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.



82.6362, 0.3780, 0.4107



81.4020, 0.3918, 0.4263



88.0694, 0.3499, 0.4341



20.4955, 0.3274, 0.3483



35.0389, 0.4557, 0.4764



3.5512, 0.4508, 0.4803



# Inverse Universe

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



43.4745, 0.2434, 0.2310



36.4819, 0.2278, 0.2071



40.5638, 0.2625, 0.2156



17.9121, 0.2979, 0.3089



4.9626, 0.1546, 0.0765



0.6206, 0.1597, 0.0948



# Previews

## White Background



This preview shows how the Yxy color 82.6324, 0.3780, 0.4107 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 82.6324, 0.3780, 0.4107 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

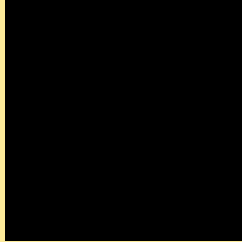
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.6324, 0.3780, 0.4107**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.6324, 0.3780, 0.4107.



This preview shows how white text looks on a background with the Yxy color 82.6324, 0.3780, 0.4107.

# 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

82.6324, 0.3780, 0.4107

### Protanopia

82.4387, 0.3798, 0.4094

### Deuteranopia

82.3586, 0.3456, 0.3522



## Tritanopia

82.4894, 0.3237, 0.3162

# Trichromacy

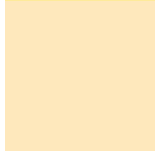


## Original Color

82.6324, 0.3780, 0.4107

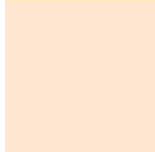
## Protanomaly

82.2496, 0.3791, 0.4096



## Deuteranomaly

82.4149, 0.3573, 0.3737



## Tritanomaly

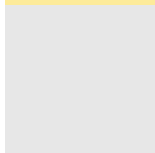
82.2679, 0.3435, 0.3502

# Monochromacy



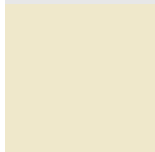
## Original Color

82.6324, 0.3780, 0.4107



## Achromatopsia

79.9103, 0.3127, 0.3290



## Achromatomaly

80.3757, 0.3364, 0.3594

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.6324, 0.3780, 0.4107 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(253, 235, 154)` looks like.

```
.text, #text, p{  
    color:rgb(253, 235, 154)  
}
```

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(253, 235, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(253, 235, 154) }
```

## Border

The CSS property to change the border of an element to Yxy 82.6324, 0.3780, 0.4107 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(253, 235, 154) }
```

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

```
.border{ border-color:rgb(253, 235, 154) }
```

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

Here you see how a box with a 4 pixel rgb(253, 235, 154) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(253, 235, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(253, 235, 154);  
box-shadow:4px 4px 4px 4px rgb(253, 235,  
154) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.6324, 0.3780, 0.4107 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(253, 235, 154) }
```

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

```
.background{ background-color: rgb(253,  
235, 154) }
```

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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