

# Converting Colors

$Yxy(82.6895, 0.3794, 0.4223)$

Have a look what the booklet for  
Yxy(82.6895, 0.3794, 0.4223)  
contains.

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# Color

**Yxy(82.5692, 0.3791, 0.4224)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8ED91
RGB	248, 237, 145
RGB Percent	97%, 93%, 57%
CMY	0.0274, 0.0706, 0.4315
CMYK	0.00, 0.04, 0.42, 0.03
HSL	54°, 88%, 77%
HSV	54°, 42%, 97%
XYZ	74.1051, 82.5692, 38.8021
YIQ	229.8010, 36.0880, -26.2800

# Conversions

## Conversions Part 2

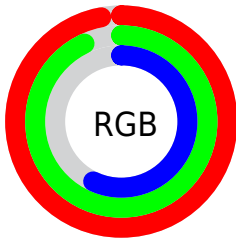
Format	Color
R <sub>Y</sub> B	157, 248, 145
Decimal	16313745
CIE Lab	92.83, -8.88, 45.83
CIE LCh	93, 46.688, 100.968
Yxy	82.5692, 0.3791, 0.4224
Android (android.graphics.Color)	4294503825 (0xFFF8ED91)
YUV	229.8010, -41.8069, 15.9605
Hunter-Lab	90.8676, -13.4465, 38.2895

# Details

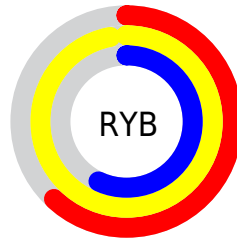
The Yxy color **82.5692, 0.3791, 0.4224** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.5560, 0.2371, 0.2140**, and the grayscale version is **79.2709, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9501, 0.3454, 0.3830**, and **44.7852, 0.3918, 0.4416** is the 20% darker color. If you saturate the color by 10%, you get **80.3683, 0.3946, 0.4426**, and if you desaturate by 10%, it is **84.9672, 0.3628, 0.4004**.

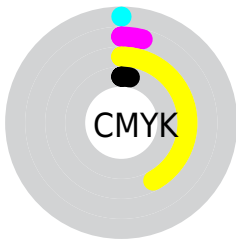
# Distribution



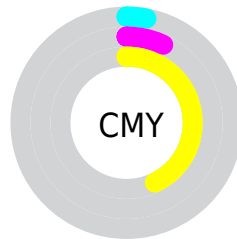
- Red (97%)
- Green (93%)
- Blue (57%)



- Red (62%)
- Yellow (97%)
- Blue (57%)



- Cyan (0%)
- Magenta (4%)
- Yellow (42%)
- Black (3%)




- Cyan (3%)
- Magenta (7%)
- Yellow (43%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.5692, 0.3791, 0.4224 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 82.5692, 0.3791, 0.4224 by changing the saturation by 10% instead.





 82.5692, 0.3791,  
0.4224

 82.5692, 0.3791,  
0.4224


503.5497, 0.3504,  
0.3804

 61.8348, 0.3850,  
0.4315


 136.9719, 0.3696,  
0.4082

 44.8992, 0.3919,  
0.4424


 171.4091, 0.3658,  
0.4025

 31.3781, 0.4000,  
0.4556

211.1826, 0.3625,  
0.3976

 20.8869, 0.4094,  
0.4718

256.6769, 0.3595,  
0.3933

 13.0414, 0.4200,  
0.4918

308.2763, 0.3568,  
0.3895

 7.4570, 0.4314,  
0.5165

366.3654, 0.3545,

 3.7495, 0.4466,

0.3861

0.5534

431.3283, 0.3523,  
0.3831

■ 1.5345, 0.4321,  
0.5679

■ 0.3128, 0.2046,  
0.7954

■ 82.5692, 0.3791,  
0.4224

■ 82.5692, 0.3791,  
0.4224

■ 80.3683, 0.3946,  
0.4426

■ 84.9672, 0.3628,  
0.4004

■ 78.3422, 0.4086,  
0.4601


■ 87.5612, 0.3464,  
0.3775


■ 76.4821, 0.4205,  
0.4738


■ 90.3641, 0.3304,  
0.3546


■ 74.7740, 0.4297,  
0.4831

■ 93.3846, 0.3150,  
0.3324

 73.2007, 0.4362,  
0.4879

 95.6988, 0.3086,  
0.3244

 71.9539, 0.4398,  
0.4890

 97.3575, 0.3085,  
0.3270

 98.6974, 0.3084,  
0.3290

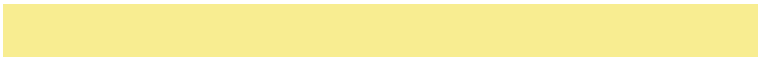
# Harmonies

## Analogous

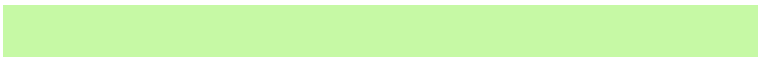
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.5692, 0.4130, 0.3948



82.5692, 0.3791, 0.4224



82.5692, 0.3290, 0.4238

# Triad

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



82.5692, 0.3791, 0.4224



82.5692, 0.2170, 0.2886



82.5692, 0.3438, 0.2762

# Complementary

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



82.5692, 0.3791, 0.4224



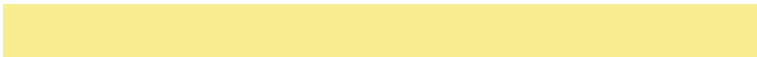
36.5560, 0.2371, 0.2140

# 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.



82.5692, 0.2891, 0.2516



82.5692, 0.3791, 0.4224



82.5692, 0.2200, 0.2556

# Square

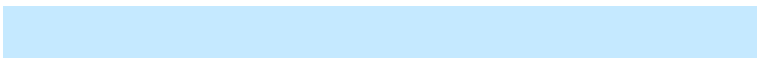
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.5692, 0.3791, 0.4224



82.5692, 0.2367, 0.3391



82.5692, 0.2451, 0.2437



82.5692, 0.3930, 0.3126

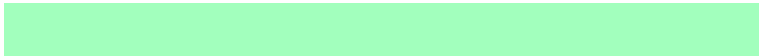


# Rectangle

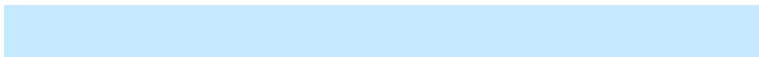
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.5692, 0.3791, 0.4224



82.5692, 0.2936, 0.4059



82.5692, 0.2451, 0.2437



82.5692, 0.3252, 0.2664

# Sweetspot

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



82.5730, 0.3791, 0.4224



96.1175, 0.3311, 0.3557



42.6293, 0.4075, 0.3163



20.4870, 0.3332, 0.3587



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

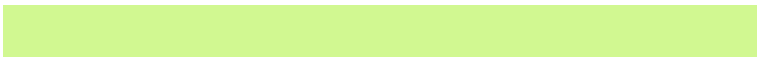
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.5730, 0.3791, 0.4224



85.9485, 0.3924, 0.4398



82.6640, 0.3471, 0.4425



19.8556, 0.3271, 0.3500



38.9933, 0.4394, 0.4893



3.6994, 0.4367, 0.4915



# Inverse Universe

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



36.5560, 0.2371, 0.2140



30.8520, 0.2195, 0.1860



37.2631, 0.2641, 0.2097



16.9410, 0.2979, 0.3071



4.1663, 0.1521, 0.0674

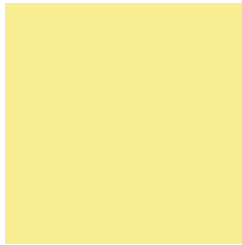


0.4809, 0.1560, 0.0817



# Previews

## White Background



This preview shows how the Yxy color 82.5692, 0.3791, 0.4224 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

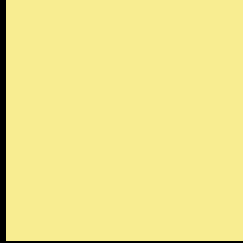
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.5692, 0.3791, 0.4224 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

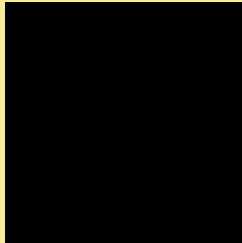
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 82.5692, 0.3791, 0.4224**

## **Background**



This preview shows how black text looks on a background with the Yxy color 82.5692, 0.3791, 0.4224.



This preview shows how white text looks on a background with the Yxy color 82.5692, 0.3791, 0.4224.

# 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

82.5692, 0.3791, 0.4224

### Protanopia

82.2756, 0.3830, 0.4141

### Deuteranopia

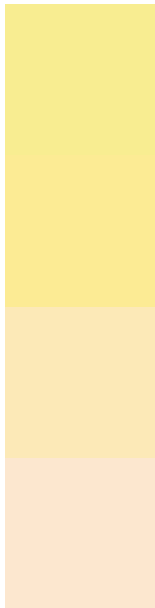
82.2614, 0.3469, 0.3543



## Tritanopia

82.6090, 0.3224, 0.3143

# Trichromacy



## Original Color

82.5692, 0.3791, 0.4224

## Protanomaly

82.2502, 0.3810, 0.4167

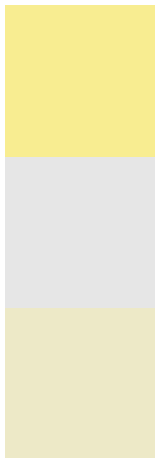
## Deuteranomaly

82.3922, 0.3590, 0.3800

## Tritanomaly

82.3523, 0.3432, 0.3534

# Monochromacy



## Original Color

82.5692, 0.3791, 0.4224

## Achromatopsia

79.1298, 0.3127, 0.3290

## Achromatomaly

80.4059, 0.3374, 0.3648

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.5692, 0.3791, 0.4224 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(248, 237, 145)` looks like.

```
.text, #text, p{  
    color:rgb(248, 237, 145)  
}
```

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(248, 237, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 237, 145) }
```

## Border

The CSS property to change the border of an element to Yxy 82.5692, 0.3791, 0.4224 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(248, 237, 145) }
```

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

```
.border{ border-color:rgb(248, 237, 145) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 237, 145)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(248, 237, 145); -webkit-box-shadow:4px 4px 4px 4px rgb(248, 237, 145); box-shadow:4px 4px 4px 4px rgb(248, 237, 145) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.5692, 0.3791, 0.4224 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 237, 145) }
```

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

```
.background{ background-color: rgb(248,  
237, 145) }
```

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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