

# Converting Colors

$Yxy(85.3997, 0.4258, 0.4949)$

Have a look what the booklet for  
Yxy(85.3997, 0.4258, 0.4949)  
contains.

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# **Color**

**Yxy(85.4450, 0.4257, 0.4949)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF31C
RGB	255, 243, 28
RGB Percent	100%, 95%, 11%
CMY	0.0000, 0.0470, 0.8907
CMYK	0.00, 0.05, 0.89, 0.00
HSL	57°, 100%, 55%
HSV	57°, 89%, 100%
XYZ	73.4975, 85.4450, 13.7085
YIQ	222.0780, 76.1670, -64.3210

# Conversions

## Conversions Part 2

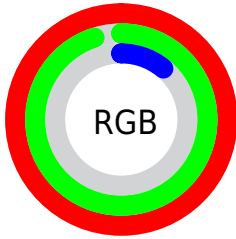
Format	Color
R <sub>Y</sub> B	41, 255, 28
Decimal	16773916
CIE Lab	94.07, -15.53, 89.54
CIE LCh	94, 90.880, 99.838
Yxy	85.4450, 0.4257, 0.4949
Android (android.graphics.Color)	4294963996 (0xFFFFF31C)
YUV	222.0780, -95.6805, 28.8726
Hunter-Lab	92.4365, -19.8359, 55.9127

# Details

The Yxy color **85.4450, 0.4257, 0.4949** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **8.9729, 0.1560, 0.0726**, and the grayscale version is **73.7463, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7393, 0.3978, 0.4696**, and **47.0100, 0.4258, 0.5001** is the 20% darker color. If you saturate the color by 10%, you get **84.5685, 0.4288, 0.4974**, and if you desaturate by 10%, it is **86.4347, 0.4201, 0.4884**.

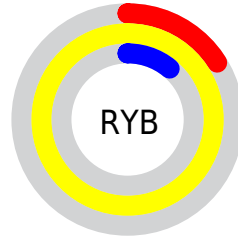
# Distribution



Red (100%)

Green (95%)

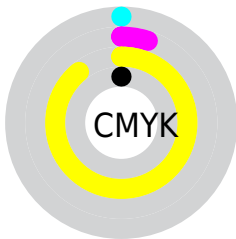
Blue (11%)



Red (16%)

Yellow (100%)

Blue (11%)

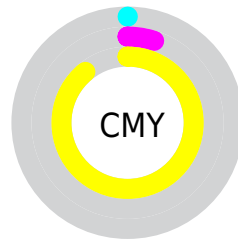


Cyan (0%)

Magenta (5%)

Yellow (89%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (89%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.4450, 0.4257, 0.4949 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 85.4450, 0.4257, 0.4949 by changing the saturation by 10% instead.





 85.4450, 0.4257,  
0.4949

 85.4450, 0.4257,  
0.4949


513.0994, 0.3843,  
0.4270

 64.2091, 0.4316,  
0.5069


 140.9947, 0.4141,  
0.4740


 46.8201, 0.4372,  
0.5199


 176.0774, 0.4088,  
0.4651


 32.8934, 0.4415,  
0.5333

 216.5445, 0.4038,  
0.4570

 22.0448, 0.4450,  
0.5485

 262.7803, 0.3993,  
0.4498

 13.8898, 0.4412,  
0.5588

 315.1693, 0.3950,  
0.4432

 8.0441, 0.4317,  
0.5683


374.0959, 0.3912,


 4.1232, 0.4174,

0.4373


0.5826


439.9445, 0.3876,  
0.4319

 1.7427, 0.3933,  
0.6067


 0.4511, 0.0992,  
0.9008


 85.4450, 0.4257,  
0.4949


 85.4450, 0.4257,  
0.4949


 84.5685, 0.4288,  
0.4974

 86.4347, 0.4201,  
0.4884

 84.4889, 0.4290,  
0.4975


 87.5512, 0.4118,  
0.4775


 88.8158, 0.4009,  
0.4623

 90.2432, 0.3879,  
0.4434

 91.8461, 0.3733,  
0.4218

 93.6361, 0.3578,  
0.3984

 95.6235, 0.3420,  
0.3743

 97.8181, 0.3264,  
0.3502

99.9989, 0.3127,  
0.3290

# Harmonies

## Analogous

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



85.4450, 0.4935, 0.4286



85.4450, 0.4257, 0.4949



85.4450, 0.3348, 0.5216

# Triad

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



85.4450, 0.4257, 0.4949



85.4450, 0.1467, 0.2488



85.4450, 0.3645, 0.2335

# Complementary

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



85.4450, 0.4257, 0.4949



8.9729, 0.1560, 0.0726

# 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.



85.4450, 0.2622, 0.1949



85.4450, 0.4257, 0.4949



85.4450, 0.1521, 0.1964

# Square

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



85.4450, 0.4257, 0.4949



85.4450, 0.1758, 0.3465



85.4450, 0.1897, 0.1812



85.4450, 0.4642, 0.2907



# Rectangle

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



85.4450, 0.4257, 0.4949



85.4450, 0.2721, 0.4929



85.4450, 0.1897, 0.1812



85.4450, 0.3283, 0.2181

# Sweetspot

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



85.4490, 0.4257, 0.4949



94.0353, 0.3545, 0.3935



22.2580, 0.6125, 0.3239



19.9890, 0.3599, 0.4016



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.



85.4490, 0.4257, 0.4949



84.4930, 0.4290, 0.4975



78.7252, 0.3502, 0.5537



20.9167, 0.3270, 0.3513



44.2208, 0.4289, 0.4977



4.3539, 0.4277, 0.4986



# Inverse Universe

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



8.9729, 0.1560, 0.0726



7.5196, 0.1506, 0.0622



12.5021, 0.2005, 0.0925



17.5314, 0.2978, 0.3057



3.9917, 0.1509, 0.0631

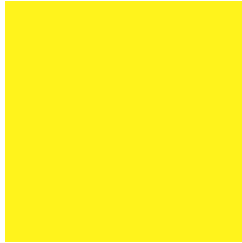


0.4404, 0.1529, 0.0705



# Previews

## White Background



This preview shows how the Yxy color 85.4450, 0.4257, 0.4949 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

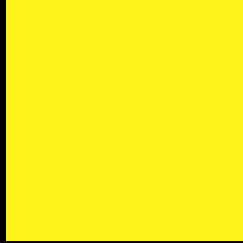
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.4450, 0.4257, 0.4949 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 85.4450, 0.4257, 0.4949**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.4450, 0.4257, 0.4949.



This preview shows how white text looks on a background with the Yxy color 85.4450, 0.4257, 0.4949.

# 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

85.4450, 0.4257, 0.4949

### Protanopia

85.1991, 0.3702, 0.4003

### Deuteranopia

85.3298, 0.3427, 0.3541



## Tritanopia

85.3241, 0.3227, 0.3202

# Trichromacy



## Original Color

85.4450, 0.4257, 0.4949



## Protanomaly

84.8411, 0.3991, 0.4482



## Deuteranomaly

84.4227, 0.3844, 0.4223



## Tritanomaly

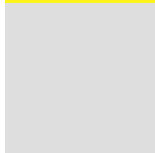
83.8952, 0.3734, 0.4024

# Monochromacy



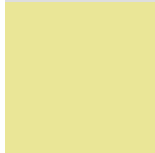
## Original Color

85.4450, 0.4257, 0.4949



## Achromatopsia

73.0461, 0.3127, 0.3290



## Achromatomaly

76.3204, 0.3674, 0.4135

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.4450, 0.4257, 0.4949 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(255, 243, 28)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 28)  
}
```

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(255, 243, 28) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 28) }
```

## Border

The CSS property to change the border of an element to Yxy 85.4450, 0.4257, 0.4949 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(255, 243, 28) }
```

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

```
.border{ border-color:rgb(255, 243, 28) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 243, 28)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 28); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 28);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
28) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.4450, 0.4257, 0.4949 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 28) }
```

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

```
.background{ background-color: rgb(255,  
243, 28) }
```

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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