

# Converting Colors

$Yxy(86.5249, 0.4206, 0.4894)$

Have a look what the booklet for  
Yxy(86.5249, 0.4206, 0.4894)  
contains.

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**Color**

**Yxy(86.8038, 0.4202, 0.4897)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF533
RGB	255, 245, 51
RGB Percent	100%, 96%, 20%
CMY	0.0001, 0.0392, 0.7996
CMYK	0.00, 0.04, 0.80, 0.00
HSL	57°, 100%, 60%
HSV	57°, 80%, 100%
XYZ	74.4843, 86.8038, 15.9710
YIQ	225.8740, 68.2340, -58.2140

# Conversions

## Conversions Part 2

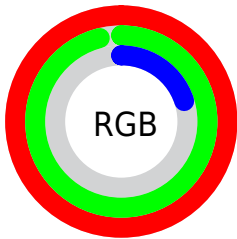
<b>Format</b>	<b>Color</b>
<b>RYB</b>	62, 255, 51
Decimal	16774451
CIELab	94.65, -15.98, 85.31
CIELCh	95, 86.793, 100.613
Yxy	86.8038, 0.4202, 0.4897
Android (android.graphics.Color)	4294964531 (0xFFFFF533)
YUV	225.8740, -86.2129, 25.5435
Hunter-Lab	93.1686, -20.3418, 55.0544

# Details

The Yxy color **86.8038, 0.4202, 0.4897** 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 **11.2679, 0.1647, 0.0880**, and the grayscale version is **76.5634, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0178, 0.3921, 0.4603**, and **47.8645, 0.4239, 0.5016** is the 20% darker color. If you saturate the color by 10%, you get **85.8897, 0.4254, 0.4958**, and if you desaturate by 10%, it is **87.8543, 0.4122, 0.4791**.

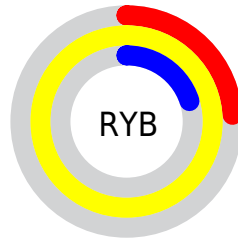
# Distribution



Red (100%)

Green (96%)

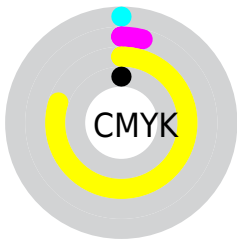
Blue (20%)



Red (24%)

Yellow (100%)

Blue (20%)

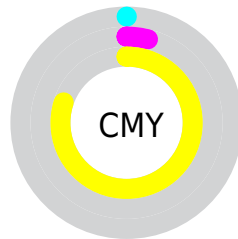


Cyan (0%)

Magenta (4%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (4%)


Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 86.8038, 0.4202, 0.4897 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 86.8038, 0.4202, 0.4897 by changing the saturation by 10% instead.





 86.8038, 0.4202,  
0.4897

 86.8038, 0.4202,  
0.4897


517.5779, 0.3801,  
0.4229


 65.3329, 0.4263,  
0.5019

 142.8906, 0.4087,  
0.4688


 47.7310, 0.4321,  
0.5153


 178.2753, 0.4036,  
0.4600

 33.6139, 0.4371,  
0.5296


 219.0667, 0.3988,  
0.4521

 22.5972, 0.4403,  
0.5446

 265.6492, 0.3944,  
0.4450

 14.2963, 0.4403,  
0.5597

 318.4071, 0.3903,  
0.4387

 8.3271, 0.4307,  
0.5693


377.7250, 0.3866,


 4.3049, 0.4164,


0.4329

0.5836

443.9871, 0.3832,  
0.4277


 1.8456, 0.3923,  
0.6077


 0.5153, 0.1620,  
0.8380


 86.8038, 0.4202,  
0.4897

 86.8038, 0.4202,  
0.4897


 85.8897, 0.4254,  
0.4958


 87.8543, 0.4122,  
0.4791


 85.0710, 0.4283,  
0.4981


 89.0467, 0.4017,  
0.4642


 85.0678, 0.4283,  
0.4981

 90.3996, 0.3889,  
0.4456

 91.9262, 0.3745,  
0.4241

 93.6379, 0.3591,  
0.4008

 95.5453, 0.3434,  
0.3766

 97.6581, 0.3277,  
0.3524

99.9807, 0.3127,  
0.3290

99.9949, 0.3127,  
0.3290

# Harmonies

## Analogous

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



86.8038, 0.4852, 0.4281



86.8038, 0.4202, 0.4897



86.8038, 0.3328, 0.5111

# Triad

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



86.8038, 0.4202, 0.4897



86.8038, 0.1529, 0.2513



86.8038, 0.3649, 0.2387

# Complementary

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



86.8038, 0.4202, 0.4897



11.2679, 0.1647, 0.0880

# 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.



86.8038, 0.2670, 0.2008



86.8038, 0.4202, 0.4897



86.8038, 0.1587, 0.2013

# Square

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



86.8038, 0.4202, 0.4897



86.8038, 0.1807, 0.3434



86.8038, 0.1962, 0.1869



86.8038, 0.4587, 0.2946



# Rectangle

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



86.8038, 0.4202, 0.4897



86.8038, 0.2727, 0.4816



86.8038, 0.1962, 0.1869



86.8038, 0.3306, 0.2237

# Sweetspot

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



86.8079, 0.4202, 0.4897



94.7734, 0.3497, 0.3865



23.9709, 0.5844, 0.3238



20.1412, 0.3554, 0.3951



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.



86.8079, 0.4202, 0.4897



85.4086, 0.4273, 0.4975



79.5532, 0.3507, 0.5418



20.9296, 0.3270, 0.3514



44.5269, 0.4281, 0.4983



4.3804, 0.4270, 0.4991



# Inverse Universe

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



11.2679, 0.1647, 0.0880



7.8657, 0.1520, 0.0647



15.4197, 0.2152, 0.1087



17.5200, 0.2978, 0.3056



3.9754, 0.1508, 0.0629

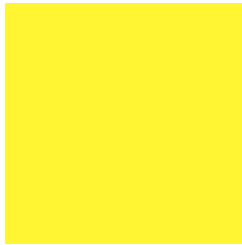


0.4349, 0.1527, 0.0698



# Previews

## White Background



This preview shows how the Yxy color 86.8038, 0.4202, 0.4897 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

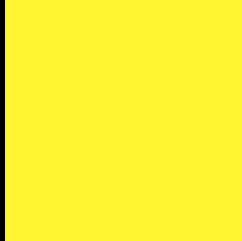
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 86.8038, 0.4202, 0.4897 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 86.8038, 0.4202, 0.4897**

## **Background**



This preview shows how black text looks on a background with the Yxy color 86.8038, 0.4202, 0.4897.



This preview shows how white text looks on a background with the Yxy color 86.8038, 0.4202, 0.4897.

# Color Blindness Simulation

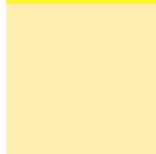
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



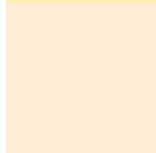
### Original Color

86.8038, 0.4202, 0.4897



### Protanopia

86.7545, 0.3632, 0.3922



### Deuteranopia

86.7347, 0.3390, 0.3510



## Tritanopia

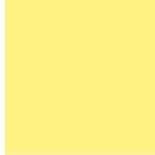
86.5767, 0.3212, 0.3202

# Trichromacy



## Original Color

86.8038, 0.4202, 0.4897



## Protanomaly

86.4030, 0.3902, 0.4373



## Deuteranomaly

85.9467, 0.3770, 0.4137



## Tritanomaly

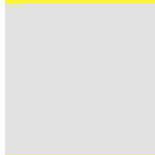
85.4262, 0.3663, 0.3944

# Monochromacy



## Original Color

86.8038, 0.4202, 0.4897



## Achromatopsia

76.0525, 0.3127, 0.3290



## Achromatomaly

78.8910, 0.3617, 0.4042

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 86.8038, 0.4202, 0.4897 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, 245, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 51)  
}
```

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, 245, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 51) }
```

## Border

The CSS property to change the border of an element to Yxy 86.8038, 0.4202, 0.4897 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, 245, 51) }
```

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

```
.border{ border-color:rgb(255, 245, 51) }
```

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

Here you see how a box with a 4 pixel rgb(255, 245, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
51) }
```



# Background

The CSS property to change the background color of an element to Yxy 86.8038, 0.4202, 0.4897 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 51) }
```

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

```
.background{ background-color: rgb(255,  
245, 51) }
```

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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