

# Converting Colors

Yxy(88.8468, 0.4180, 0.4918)

Have a look what the booklet for  
Yxy(88.8468, 0.4180, 0.4918)  
contains.

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# **Color**

**Yxy(88.6338, 0.4182, 0.4916)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFF833
RGB	255, 248, 51
RGB Percent	100%, 97%, 20%
CMY	0.0001, 0.0274, 0.8001
CMYK	0.00, 0.03, 0.80, 0.00
HSL	58°, 100%, 60%
HSV	58°, 80%, 100%
XYZ	75.4000, 88.6338, 16.2628
YIQ	227.6350, 67.4090, -59.7830

# Conversions

## Conversions Part 2

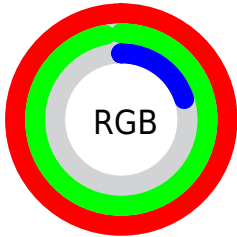
Format	Color
R <sub>Y</sub> B	58, 255, 51
Decimal	16775219
CIE Lab	95.43, -17.43, 86.00
CIE LCh	95, 87.750, 101.458
Yxy	88.6338, 0.4182, 0.4916
Android (android.graphics.Color)	4294965299 (0xFFFFF833)
YUV	227.6350, -87.0811, 23.9991
Hunter-Lab	94.1455, -21.7961, 55.6601

# Details

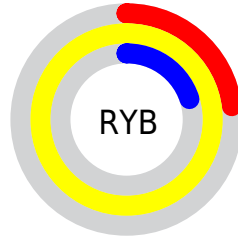
The Yxy color **88.6338, 0.4182, 0.4916** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **10.9435, 0.1641, 0.0859**, and the grayscale version is **77.9135, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0410, 0.3917, 0.4595**, and **49.1686, 0.4211, 0.5038** is the 20% darker color. If you saturate the color by 10%, you get **87.9368, 0.4230, 0.4978**, and if you desaturate by 10%, it is **89.4647, 0.4107, 0.4809**.

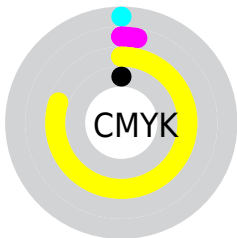
# Distribution



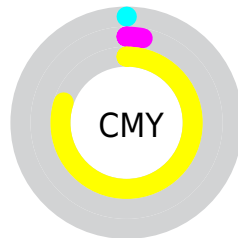
- Red (100%)
- Green (97%)
- Blue (20%)



- Red (23%)
- Yellow (100%)
- Blue (20%)



- Cyan (0%)
- Magenta (3%)
- Yellow (80%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (80%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.6338, 0.4182, 0.4916 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 88.6338, 0.4182, 0.4916 by changing the saturation by 10% instead.




 88.6338, 0.4182,  
0.4916

 88.6338, 0.4182,  
0.4916


523.5766, 0.3793,  
0.4241

 66.8481, 0.4240,  
0.5040

 145.4392, 0.4072,  
0.4705


 48.9612, 0.4295,  
0.5176


 181.2277, 0.4021,  
0.4616

 34.5887, 0.4341,  
0.5322


 222.4526, 0.3975,  
0.4536

 23.3462, 0.4369,  
0.5475

 269.4983, 0.3932,  
0.4464

 14.8494, 0.4366,  
0.5634

 322.7491, 0.3893,  
0.4400

 8.7137, 0.4264,  
0.5736

382.5895, 0.3857,

 4.5549, 0.4112,

0.4341

0.5888

449.4039, 0.3823,  
0.4289

■ 1.9886, 0.3860,  
0.6140

■ 0.6008, 0.1950,  
0.8050

■ 88.6338, 0.4182,  
0.4916

■ 88.6338, 0.4182,  
0.4916

■ 87.9368, 0.4230,  
0.4978


■ 89.4647, 0.4107,  
0.4809

■ 87.3328, 0.4255,  
0.5003

■ 90.4346, 0.4005,  
0.4659

■ 91.5625, 0.3881,  
0.4472

■ 92.8614, 0.3741,  
0.4255

 94.3428, 0.3589,  
0.4019

 96.0172, 0.3433,  
0.3774

 97.8944, 0.3278,  
0.3529

99.9836, 0.3127,  
0.3290

99.9968, 0.3127,  
0.3290

# Harmonies

## Analogous

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



88.6338, 0.4844, 0.4302



88.6338, 0.4182, 0.4916



88.6338, 0.3302, 0.5114

# Triad

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



88.6338, 0.4182, 0.4916



88.6338, 0.1521, 0.2490



88.6338, 0.3680, 0.2398

# Complementary

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



88.6338, 0.4182, 0.4916



10.9435, 0.1641, 0.0859

# 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.



88.6338, 0.2693, 0.2011



88.6338, 0.4182, 0.4916



88.6338, 0.1589, 0.2001

# Square

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



88.6338, 0.4182, 0.4916



88.6338, 0.1789, 0.3403



88.6338, 0.1973, 0.1865



88.6338, 0.4614, 0.2962



# Rectangle

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



88.6338, 0.4182, 0.4916



88.6338, 0.2700, 0.4802



88.6338, 0.1973, 0.1865



88.6338, 0.3335, 0.2245

# Sweetspot

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



88.6380, 0.4182, 0.4916



95.3390, 0.3495, 0.3873



23.9617, 0.5846, 0.3238



20.2800, 0.3551, 0.3960



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.



88.6380, 0.4182, 0.4916



87.5809, 0.4247, 0.4996



79.5538, 0.3507, 0.5419



20.9779, 0.3270, 0.3517



45.6876, 0.4254, 0.5004



4.4805, 0.4247, 0.5010



# Inverse Universe

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



10.9435, 0.1641, 0.0859



7.7370, 0.1518, 0.0638



15.4052, 0.2151, 0.1086



17.4771, 0.2978, 0.3053



3.9145, 0.1506, 0.0620

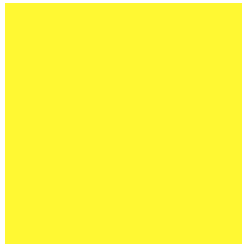


0.4146, 0.1519, 0.0669



# Previews

## White Background



This preview shows how the Yxy color 88.6338, 0.4182, 0.4916 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

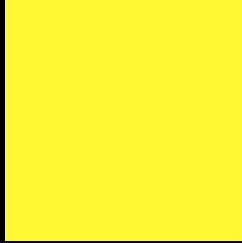
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 88.6338, 0.4182, 0.4916 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 88.6338, 0.4182, 0.4916**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.6338, 0.4182, 0.4916.



This preview shows how white text looks on a background with the Yxy color 88.6338, 0.4182, 0.4916.

# 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

88.6338, 0.4182, 0.4916

### Protanopia

88.4820, 0.3543, 0.3810

### Deuteranopia

88.2135, 0.3348, 0.3469



## Tritanopia

88.4209, 0.3197, 0.3212

# Trichromacy



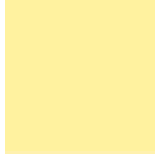
## Original Color

88.6338, 0.4182, 0.4916



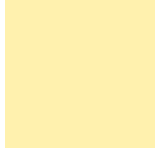
## Protanomaly

87.8254, 0.3848, 0.4319



## Deuteranomaly

87.2675, 0.3738, 0.4117



## Tritanomaly

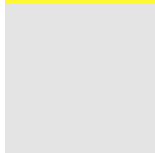
87.2266, 0.3648, 0.3961

# Monochromacy



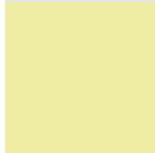
## Original Color

88.6338, 0.4182, 0.4916



## Achromatopsia

77.5822, 0.3127, 0.3290



## Achromatomaly

80.2741, 0.3605, 0.4038

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.6338, 0.4182, 0.4916 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, 248, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 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, 248, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 51) }
```

## Border

The CSS property to change the border of an element to Yxy 88.6338, 0.4182, 0.4916 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, 248, 51) }
```

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

```
.border{ border-color:rgb(255, 248, 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, 248, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
51) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.6338, 0.4182, 0.4916 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 51) }
```

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

```
.background{ background-color: rgb(255,  
248, 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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