

# Converting Colors

Yxy(83.1259, 0.4308, 0.4962)

Have a look what the booklet for  
Yxy(83.1259, 0.4308, 0.4962)  
contains.

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# Color

**Yxy(82.9930, 0.4310, 0.4960)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEF00
RGB	255, 239, 0
RGB Percent	100%, 94%, 0%
CMY	0.0000, 0.0628, 1.0000
CMYK	0.00, 0.06, 1.00, 0.00
HSL	56°, 100%, 50%
HSV	56°, 100%, 100%
XYZ	72.1169, 82.9930, 12.2147
YIQ	216.5380, 86.2550, -70.9370

# Conversions

## Conversions Part 2

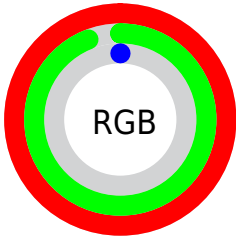
Format	Color
R <sub>Y</sub> B	17, 255, 0
Decimal	16772864
CIE Lab	93.01, -13.84, 91.49
CIE LCh	93, 92.533, 98.600
Yxy	82.9930, 0.4310, 0.4960
Android (android.graphics.Color)	4294962944 (0xFFFFEF00)
YUV	216.5380, -106.7532, 33.7312
Hunter-Lab	91.1005, -18.1218, 55.8208

# Details

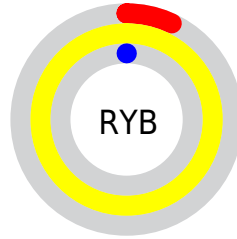
The Yxy color **82.9930, 0.4310, 0.4960** is a light color, and the websafe version is hex **FFFF33**, and the color name is **canary yellow**. The color can be described as light saturated yellow. A complement of this color would be **7.5907, 0.1508, 0.0628**, and the grayscale version is **69.7530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5703, 0.4013, 0.4755**, and **45.2044, 0.4287, 0.4978** is the 20% darker color. If you saturate the color by 10%, you get **82.9897, 0.4310, 0.4960**, and if you desaturate by 10%, it is **84.0034, 0.4278, 0.4939**.

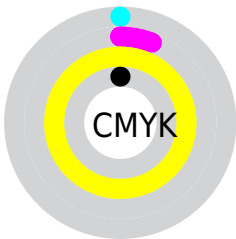
# Distribution



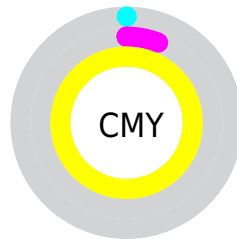
- Red (100%)
- Green (94%)
- Blue (0%)



- Red (7%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (6%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (6%)
- Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.9930, 0.4310, 0.4960 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 82.9930, 0.4310, 0.4960 by changing the saturation by 10% instead.




 82.9930, 0.4310,  
0.4960


 82.9930, 0.4310,  
0.4960


504.9632, 0.3877,  
0.4283


 62.1844, 0.4371,  
0.5077

 137.5657, 0.4190,  
0.4754

 45.1817, 0.4427,  
0.5200


 172.0985, 0.4134,  
0.4665

 31.6006, 0.4469,  
0.5325


 211.9748, 0.4082,  
0.4585

 21.0566, 0.4517,  
0.5483

 257.5791, 0.4034,  
0.4512

 13.1654, 0.4456,  
0.5544

 309.2957, 0.3990,  
0.4447

 7.5425, 0.4368,  
0.5632

 367.5089, 0.3949,

 3.8036, 0.4235,

0.4387

0.5765

432.6033, 0.3912,  
0.4333

■ 1.5643, 0.4007,  
0.5993

■ 0.3334, 0.0000,  
1.0000

■ 82.9930, 0.4310,  
0.4960

■ 82.9930, 0.4310,  
0.4960


■ 82.9897, 0.4310,  
0.4960


■ 84.0034, 0.4278,  
0.4939


■ 85.1197, 0.4222,  
0.4879


■ 86.3675, 0.4138,  
0.4775


■ 87.7644, 0.4029,  
0.4627

 89.3252, 0.3898,  
0.4443

 91.0629, 0.3751,  
0.4230

 92.9890, 0.3595,  
0.4000

 95.1142, 0.3436,  
0.3761

 97.4481, 0.3278,  
0.3522

# Harmonies

## Analogous

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



82.9930, 0.4995, 0.4267



82.9930, 0.4310, 0.4960



82.9930, 0.3385, 0.5277

# Triad

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



82.9930, 0.4310, 0.4960



82.9930, 0.1437, 0.2495



82.9930, 0.3610, 0.2292

# Complementary

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



82.9930, 0.4310, 0.4960



7.5907, 0.1508, 0.0628

# 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.



82.9930, 0.2569, 0.1910



82.9930, 0.4310, 0.4960



82.9930, 0.1479, 0.1947

# Square

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



82.9930, 0.4310, 0.4960



82.9930, 0.1745, 0.3516



82.9930, 0.1847, 0.1781



82.9930, 0.4649, 0.2868



# Rectangle

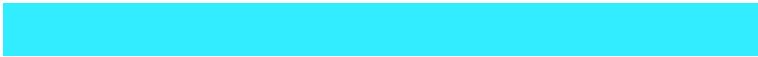
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.9930, 0.4310, 0.4960



82.9930, 0.2743, 0.5013



82.9930, 0.1847, 0.1781



82.9930, 0.3240, 0.2139

# Sweetspot

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



82.9897, 0.4310, 0.4960



92.9890, 0.3595, 0.4000



21.3005, 0.6350, 0.3272



19.7246, 0.3661, 0.4098



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.



82.9897, 0.4310, 0.4960



77.4944, 0.3448, 0.5644



20.8839, 0.3271, 0.3510



43.4476, 0.4307, 0.4962



4.2871, 0.4293, 0.4973

# Inverse Universe

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



7.5907, 0.1508, 0.0628



10.5672, 0.1881, 0.0810



17.5606, 0.2978, 0.3060



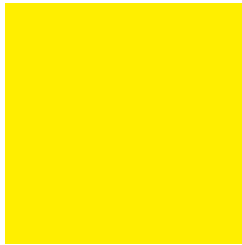
4.0357, 0.1511, 0.0637



0.4542, 0.1535, 0.0725

# Previews

## White Background



This preview shows how the Yxy color 82.9930, 0.4310, 0.4960 looks on a white background.

## Color Contrast Check

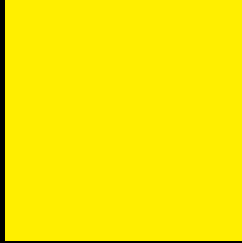
Large Text (above 18pt) WCAG AA × Fail

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 82.9930, 0.4310, 0.4960 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 82.9930, 0.4310, 0.4960**

## Background



This preview shows how black text looks on a background with the Yxy color 82.9930, 0.4310, 0.4960.



This preview shows how white text looks on a background with the Yxy color 82.9930, 0.4310, 0.4960.



# 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**

82.9930, 0.4310, 0.4960

**Protanopia**

82.7520, 0.3844, 0.4178

**Deuteranopia**

82.6289, 0.3494, 0.3593



## Tritanopia

82.8612, 0.3256, 0.3202

# Trichromacy



## Original Color

82.9930, 0.4310, 0.4960



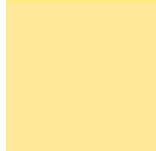
## Protanomaly

82.0412, 0.4123, 0.4620



## Deuteranomaly

81.6641, 0.3956, 0.4333



## Tritanomaly

81.2076, 0.3825, 0.4104

# Monochromacy



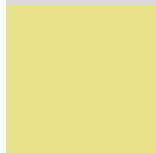
## Original Color

82.9930, 0.4310, 0.4960



## Achromatopsia

69.3872, 0.3127, 0.3290



## Achromatomaly

72.6743, 0.3752, 0.4230

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.9930, 0.4310, 0.4960 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, 239, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 239, 0)  
}
```

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, 239, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 239, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 82.9930, 0.4310, 0.4960 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, 239, 0) }
```

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

```
.border{ border-color:rgb(255, 239, 0) }
```

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

Here you see how a box with a 4 pixel rgb(255, 239, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 239, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 239, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 239,  
0) }
```

# Background

The CSS property to change the background color of an element to Yxy 82.9930, 0.4310, 0.4960 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 239, 0) }
```

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

```
.background{ background-color: rgb(255,  
239, 0) }
```

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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