

# Converting Colors

Yxy(82.2123, 0.4272, 0.4990)

Have a look what the booklet for  
Yxy(82.2123, 0.4272, 0.4990)  
contains.

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# **Color**

**Yxy(82.0570, 0.4273, 0.4989)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FAEF00
RGB	250, 239, 0
RGB Percent	98%, 94%, 0%
CMY	0.0198, 0.0627, 0.9993
CMYK	0.00, 0.04, 1.00, 0.02
HSL	57°, 100%, 49%
HSV	57°, 100%, 98%
XYZ	70.2805, 82.0570, 12.1383
YIQ	215.0430, 83.2750, -71.9970

# Conversions

## Conversions Part 2

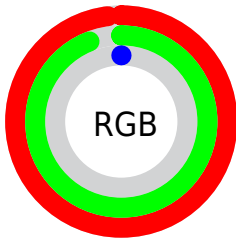
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	12, 250, 0
Decimal	16445184
CIE Lab	92.60, -15.97, 90.99
CIE LCh	93, 92.376, 99.954
Yxy	82.0570, 0.4273, 0.4989
Android (android.graphics.Color)	4294635264 (0xFFFAEF00)
YUV	215.0430, -106.0162, 30.6573
Hunter-Lab	90.5853, -20.0353, 55.4649

# Details

The Yxy color **82.0570, 0.4273, 0.4989** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light saturated yellow. A complement of this color would be **7.1425, 0.1506, 0.0619**, and the grayscale version is **68.6883, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5703, 0.4013, 0.4755**, and **44.6858, 0.4250, 0.5008** is the 20% darker color. If you saturate the color by 10%, you get **82.0561, 0.4273, 0.4989**, and if you desaturate by 10%, it is **82.7744, 0.4245, 0.4965**.

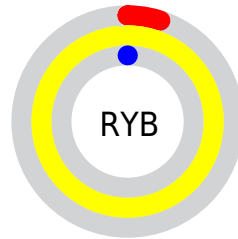
# Distribution



Red (98%)

Green (94%)

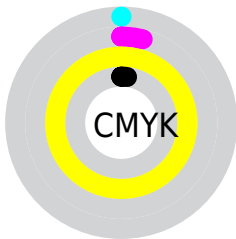
Blue (0%)



Red (5%)

Yellow (98%)

Blue (0%)

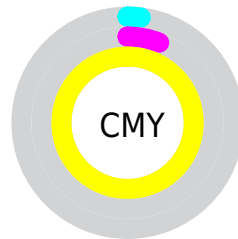


Cyan (0%)

Magenta (4%)

Yellow (100%)

Black (2%)



Cyan (2%)

Magenta (6%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 82.0570, 0.4273, 0.4989 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 82.0570, 0.4273, 0.4989 by changing the saturation by 10% instead.




 82.0570, 0.4273,  
0.4989

 82.0570, 0.4273,  
0.4989


501.8383, 0.3856,  
0.4293


 61.4125, 0.4330,  
0.5111


 136.2539, 0.4158,  
0.4776

 44.5582, 0.4382,  
0.5241


 170.5752, 0.4105,  
0.4684

 31.1096, 0.4419,  
0.5374


 210.2241, 0.4055,  
0.4602

 20.6823, 0.4459,  
0.5541

 255.5852, 0.4008,  
0.4527

 12.8920, 0.4386,  
0.5614

 307.0427, 0.3966,  
0.4460

 7.3542, 0.4283,  
0.5717

 364.9812, 0.3926,


 3.6846, 0.4125,

0.4399


0.5875


429.7849, 0.3890,  
0.4344

 1.4987, 0.3853,  
0.6147


 0.2878, 0.0000,  
1.0000


 82.0570, 0.4273,  
0.4989


 82.0570, 0.4273,  
0.4989

 82.0561, 0.4273,  
0.4989

 82.7744, 0.4245,  
0.4965

 83.5820, 0.4194,  
0.4903

 84.5113, 0.4116,  
0.4796

 85.5789, 0.4012,  
0.4646

■ 86.7989, 0.3885,  
0.4459

■ 88.1835, 0.3742,  
0.4244

■ 89.7440, 0.3589,  
0.4010

■ 91.4901, 0.3432,  
0.3768

■ 93.4314, 0.3277,  
0.3525

# Harmonies

## Analogous

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



82.0570, 0.4975, 0.4301



82.0570, 0.4273, 0.4989



82.0570, 0.3341, 0.5278

# Triad

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



82.0570, 0.4273, 0.4989



82.0570, 0.1429, 0.2459



82.0570, 0.3662, 0.2313

# Complementary

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



82.0570, 0.4273, 0.4989



7.1425, 0.1506, 0.0619

# 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.



82.0570, 0.2610, 0.1919



82.0570, 0.4273, 0.4989



82.0570, 0.1486, 0.1929

# Square

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



82.0570, 0.4273, 0.4989



82.0570, 0.1720, 0.3462



82.0570, 0.1869, 0.1778



82.0570, 0.4690, 0.2896



# Rectangle

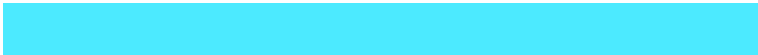
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.0570, 0.4273, 0.4989



82.0570, 0.2700, 0.4983



82.0570, 0.1869, 0.1778



82.0570, 0.3290, 0.2157

# Sweetspot

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



82.0609, 0.4273, 0.4989



93.8956, 0.3591, 0.4013



20.3482, 0.6363, 0.3280



19.9452, 0.3656, 0.4113



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.



82.0609, 0.4273, 0.4989



85.8608, 0.4273, 0.4989



73.7108, 0.3425, 0.5662



20.0527, 0.3270, 0.3514



43.5995, 0.4272, 0.4990



4.0773, 0.4261, 0.4998



# Inverse Universe

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



7.1425, 0.1506, 0.0619



7.4632, 0.1505, 0.0618



10.3858, 0.1912, 0.0827



16.7648, 0.2979, 0.3055



3.8405, 0.1507, 0.0626

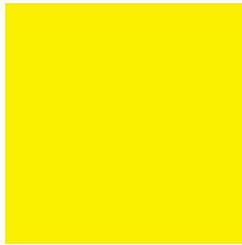


0.3973, 0.1525, 0.0691



# Previews

## White Background



This preview shows how the Yxy color 82.0570, 0.4273, 0.4989 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

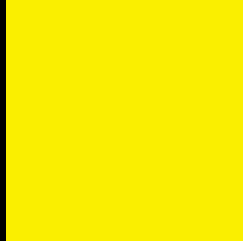
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 82.0570, 0.4273, 0.4989 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 82.0570, 0.4273, 0.4989**

## Background



This preview shows how black text looks on a background with the Yxy color 82.0570, 0.4273, 0.4989.



This preview shows how white text looks on a background with the Yxy color 82.0570, 0.4273, 0.4989.

# 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

82.0570, 0.4273, 0.4989

### Protanopia

81.8832, 0.3909, 0.4262

### Deuteranopia

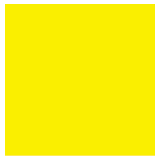
81.8848, 0.3524, 0.3624



## Tritanopia

81.8258, 0.3251, 0.3172

# Trichromacy



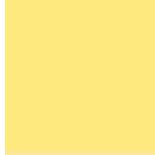
## Original Color

82.0570, 0.4273, 0.4989



## Protanomaly

81.5617, 0.4133, 0.4668



## Deuteranomaly

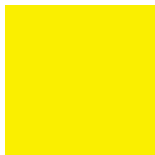
80.6411, 0.3963, 0.4357



## Tritanomaly

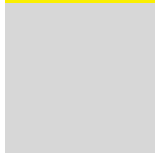
80.3015, 0.3808, 0.4090

# Monochromacy



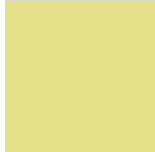
## Original Color

82.0570, 0.4273, 0.4989



## Achromatopsia

67.9542, 0.3127, 0.3290



## Achromatomaly

71.6114, 0.3739, 0.4239

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 82.0570, 0.4273, 0.4989 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(250, 239, 0)` looks like.

```
.text, #text, p{  
    color:rgb(250, 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(250, 239, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(250, 239, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 82.0570, 0.4273, 0.4989 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(250, 239, 0) }
```

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

```
.border{ border-color:rgb(250, 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(250, 239, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(250, 239, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(250, 239, 0);  
box-shadow:4px 4px 4px 4px rgb(250, 239,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 82.0570, 0.4273, 0.4989 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(250, 239, 0) }
```

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

```
.background{ background-color: rgb(250,  
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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