

# Converting Colors

$Yxy(89.2746, 0.4232, 0.5021)$

Have a look what the booklet for  
Yxy(89.2746, 0.4232, 0.5021)  
contains.

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**Color**

**Yxy(89.0136, 0.4235, 0.5018)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF901
RGB	255, 249, 1
RGB Percent	100%, 98%, 0%
CMY	0.0000, 0.0235, 0.9959
CMYK	0.00, 0.02, 1.00, 0.00
HSL	59°, 100%, 50%
HSV	59°, 100%, 100%
XYZ	75.1241, 89.0136, 13.2509
YIQ	222.5220, 83.1840, -75.8560

# Conversions

## Conversions Part 2

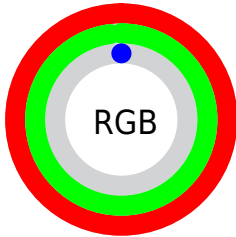
Format	Color
R <sub>Y</sub> B	7, 255, 1
Decimal	16775425
CIE Lab	95.59, -18.68, 93.28
CIE LCh	96, 95.130, 101.326
Yxy	89.0136, 0.4235, 0.5018
Android (android.graphics.Color)	4294965505 (0xFFFFF901)
YUV	222.5220, -109.2103, 28.4832
Hunter-Lab	94.3470, -22.9762, 57.7157

# Details

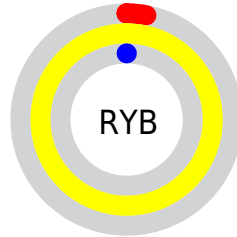
The Yxy color **89.0136, 0.4235, 0.5018** is a light color, and the websafe version is hex **FFFF00**. The color can be described as light saturated yellow. A complement of this color would be **7.3797, 0.1504, 0.0612**, and the grayscale version is **74.1859, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.6062, 0.4005, 0.4742**, and **49.4774, 0.4193, 0.5053** is the 20% darker color. If you saturate the color by 10%, you get **88.9984, 0.4236, 0.5019**, and if you desaturate by 10%, it is **89.4636, 0.4212, 0.4991**.

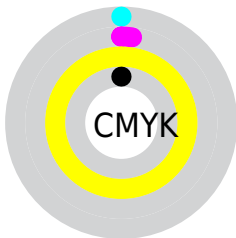
# Distribution



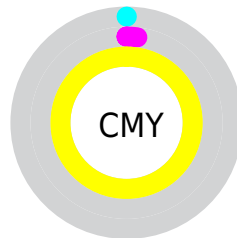
- Red (100%)
- Green (98%)
- Blue (0%)



- Red (3%)
- Yellow (100%)
- Blue (0%)



- Cyan (0%)
- Magenta (2%)
- Yellow (100%)
- Black (0%)




- Cyan (0%)
- Magenta (2%)
- Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.0136, 0.4235, 0.5018 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 89.0136, 0.4235, 0.5018 by changing the saturation by 10% instead.




 89.0136, 0.4235,  
0.5018


 89.0136, 0.4235,  
0.5018


524.8169, 0.3843,  
0.4316


 67.1628, 0.4287,  
0.5141


 145.9675, 0.4129,  
0.4803


 49.2170, 0.4333,  
0.5273

 181.8394, 0.4079,  
0.4711


 34.7916, 0.4365,  
0.5410


 223.1538, 0.4032,  
0.4628

 23.5024, 0.4389,  
0.5569

 270.2950, 0.3988,  
0.4553

 14.9649, 0.4330,  
0.5670

 323.6476, 0.3948,  
0.4485

 8.7948, 0.4221,  
0.5779

 383.5958, 0.3910,

 4.6076, 0.4059,

0.4423

0.5941

450.5241, 0.3876,  
0.4367

■ 2.0189, 0.3790,  
0.6210

■ 0.6184, 0.1756,  
0.8244

■ 89.0136, 0.4235,  
0.5018

■ 89.0136, 0.4235,  
0.5018


■ 88.9984, 0.4236,  
0.5019

■ 89.4636, 0.4212,  
0.4991


■ 90.0089, 0.4165,  
0.4926


■ 90.6794, 0.4092,  
0.4816


■ 91.4924, 0.3992,  
0.4664

 92.4628, 0.3870,  
0.4473

 93.6033, 0.3731,  
0.4254

 94.9256, 0.3581,  
0.4016

 96.4400, 0.3426,  
0.3769

 98.1563, 0.3271,  
0.3521

# Harmonies

## Analogous

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



89.0136, 0.4955, 0.4336



89.0136, 0.4235, 0.5018



89.0136, 0.3296, 0.5277

# Triad

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



89.0136, 0.4235, 0.5018



89.0136, 0.1421, 0.2422



89.0136, 0.3715, 0.2335

# Complementary

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



89.0136, 0.4235, 0.5018



7.3797, 0.1504, 0.0612

# 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.



89.0136, 0.2651, 0.1930



89.0136, 0.4235, 0.5018



89.0136, 0.1494, 0.1913

# Square

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



89.0136, 0.4235, 0.5018



89.0136, 0.1696, 0.3406



89.0136, 0.1893, 0.1776



89.0136, 0.4731, 0.2925



# Rectangle

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



89.0136, 0.4235, 0.5018



89.0136, 0.2657, 0.4951



89.0136, 0.1893, 0.1776



89.0136, 0.3341, 0.2175

# Sweetspot

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



89.0160, 0.4235, 0.5018



94.8674, 0.3587, 0.4026



21.3036, 0.6372, 0.3287



20.1820, 0.3651, 0.4128



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.



89.0160, 0.4235, 0.5018



88.9984, 0.4236, 0.5019



76.7977, 0.3402, 0.5679



21.0128, 0.3270, 0.3519



46.5368, 0.4235, 0.5019



4.5536, 0.4230, 0.5024



# Inverse Universe

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



7.3797, 0.1504, 0.0612



7.3507, 0.1503, 0.0610



11.2045, 0.1945, 0.0846



17.4464, 0.2978, 0.3050



3.8706, 0.1504, 0.0614

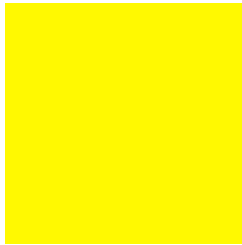


0.4000, 0.1513, 0.0648



# Previews

## White Background



This preview shows how the Yxy color 89.0136, 0.4235, 0.5018 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

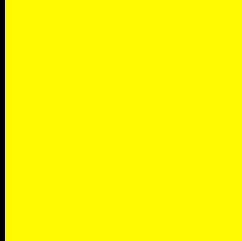
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.0136, 0.4235, 0.5018 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 89.0136, 0.4235, 0.5018**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.0136, 0.4235, 0.5018.



This preview shows how white text looks on a background with the Yxy color 89.0136, 0.4235, 0.5018.

# 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



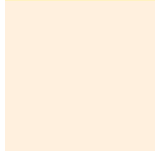
### Original Color

89.0136, 0.4235, 0.5018



### Protanopia

88.6145, 0.3524, 0.3780



### Deuteranopia

88.8541, 0.3341, 0.3468



## **Tritanopia**

89.0016, 0.3197, 0.3222

# Trichromacy



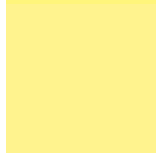
## Original Color

89.0136, 0.4235, 0.5018



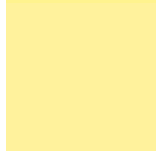
## Protanomaly

87.9949, 0.3930, 0.4464



## Deuteranomaly

87.3142, 0.3836, 0.4284



## Tritanomaly

87.1646, 0.3757, 0.4145

# Monochromacy



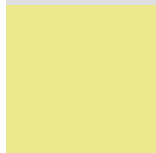
## Original Color

89.0136, 0.4235, 0.5018



## Achromatopsia

73.7910, 0.3127, 0.3290



## Achromatomaly

77.3284, 0.3731, 0.4243

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.0136, 0.4235, 0.5018 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, 249, 1)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 1)  
}
```

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, 249, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 1) }
```

## Border

The CSS property to change the border of an element to Yxy 89.0136, 0.4235, 0.5018 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, 249, 1) }
```

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

```
.border{ border-color:rgb(255, 249, 1) }
```

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

Here you see how a box with a 4 pixel rgb(255, 249, 1) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 1);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
1) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.0136, 0.4235, 0.5018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 1) }
```

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

```
.background{ background-color: rgb(255,  
249, 1) }
```

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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