

# Converting Colors

$Yxy(80.3302, 0.4345, 0.4932)$

Have a look what the booklet for  
Yxy(80.3302, 0.4345, 0.4932)  
contains.

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**Color**

**Yxy(80.1056, 0.4348, 0.4929)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEA00
RGB	255, 234, 0
RGB Percent	100%, 92%, 0%
CMY	0.0000, 0.0823, 0.9982
CMYK	0.00, 0.08, 1.00, 0.00
HSL	55°, 100%, 50%
HSV	55°, 100%, 100%
XYZ	70.6632, 80.1056, 11.7501
YIQ	213.6030, 87.6300, -68.3220

# Conversions

## Conversions Part 2

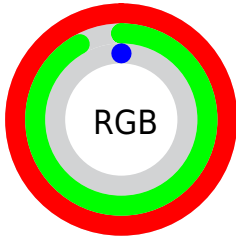
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	23, 255, 0
Decimal	16771584
CIE Lab	91.73, -11.41, 90.53
CIE LCh	92, 91.242, 97.182
Yxy	80.1056, 0.4348, 0.4929
Android (android.graphics.Color)	4294961664 (0xFFFFEA00)
YUV	213.6030, -105.3063, 36.3052
Hunter-Lab	89.5017, -15.6990, 54.8674

# Details

The Yxy color **80.1056, 0.4348, 0.4929** 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 **7.7759, 0.1512, 0.0641**, and the grayscale version is **67.6797, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5527, 0.4017, 0.4761**, and **43.5777, 0.4326, 0.4947** is the 20% darker color. If you saturate the color by 10%, you get **80.0863, 0.4349, 0.4929**, and if you desaturate by 10%, it is **81.3872, 0.4311, 0.4910**.

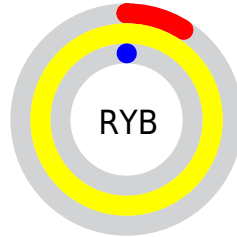
# Distribution



Red (100%)

Green (92%)

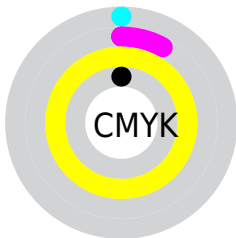
Blue (0%)



Red (9%)

Yellow (100%)

Blue (0%)

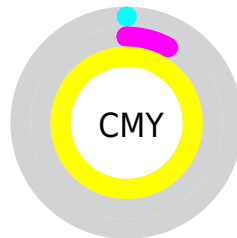


Cyan (0%)

Magenta (8%)

Yellow (100%)

Black (0%)



Cyan (0%)

Magenta (8%)


Yellow (100%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 80.1056, 0.4348, 0.4929 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 80.1056, 0.4348, 0.4929 by changing the saturation by 10% instead.




 80.1056, 0.4348,  
0.4929

 80.1056, 0.4348,  
0.4929


495.2886, 0.3894,  
0.4266

 59.8053, 0.4414,  
0.5042


 133.5142, 0.4220,  
0.4728

 43.2617, 0.4475,  
0.5161

 167.3912, 0.4162,  
0.4641


 30.0905, 0.4523,  
0.5280


 206.5626, 0.4107,  
0.4562

 19.9073, 0.4575,  
0.5425

 251.4127, 0.4057,  
0.4491

 12.3277, 0.4523,  
0.5477

 302.3260, 0.4011,  
0.4426

 6.9672, 0.4447,  
0.5553

 359.6868, 0.3969,

 3.4416, 0.4332,

0.4368

0.5668

423.8796, 0.3930,  
0.4314

■ 1.3664, 0.4130,  
0.5870

■ 0.1918, 0.0000,  
1.0000

■ 80.1056, 0.4348,  
0.4929

■ 80.1056, 0.4348,  
0.4929

■ 80.0863, 0.4349,  
0.4929

■ 81.3872, 0.4311,  
0.4910

■ 82.7746, 0.4249,  
0.4852

■ 84.2998, 0.4159,  
0.4749

■ 85.9803, 0.4043,  
0.4602

■ 87.8310, 0.3907,  
0.4419

■ 89.8649, 0.3755,  
0.4209

■ 92.0935, 0.3596,  
0.3982

■ 94.5274, 0.3434,  
0.3747

■ 97.1763, 0.3276,  
0.3513

# Harmonies

## Analogous

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



80.1056, 0.5013, 0.4232



80.1056, 0.4348, 0.4929



80.1056, 0.3431, 0.5274

# Triad

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



80.1056, 0.4348, 0.4929



80.1056, 0.1446, 0.2535



80.1056, 0.3557, 0.2271

# Complementary

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



80.1056, 0.4348, 0.4929



7.7759, 0.1512, 0.0641

# 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.



80.1056, 0.2528, 0.1900



80.1056, 0.4348, 0.4929



80.1056, 0.1473, 0.1965

# Square

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



80.1056, 0.4348, 0.4929



80.1056, 0.1772, 0.3574



80.1056, 0.1824, 0.1784



80.1056, 0.4605, 0.2839



# Rectangle

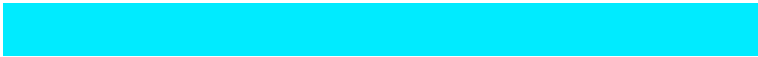
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



80.1056, 0.4348, 0.4929



80.1056, 0.2789, 0.5042



80.1056, 0.1824, 0.1784



80.1056, 0.3189, 0.2121

# Sweetspot

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



80.1094, 0.4348, 0.4929



92.0557, 0.3599, 0.3986



21.3257, 0.6329, 0.3261



19.4977, 0.3666, 0.4083



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.



80.1094, 0.4348, 0.4929



80.0908, 0.4349, 0.4929



77.9012, 0.3475, 0.5622



20.8193, 0.3271, 0.3506



41.9561, 0.4346, 0.4931



4.1577, 0.4326, 0.4947



# Inverse Universe

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



7.7759, 0.1512, 0.0641



7.7573, 0.1511, 0.0640



10.3260, 0.1855, 0.0796



17.6183, 0.2979, 0.3065



4.1364, 0.1514, 0.0652

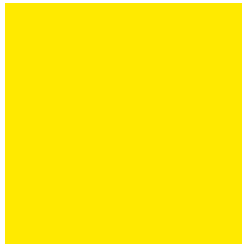


0.4814, 0.1545, 0.0763



# Previews

## White Background



This preview shows how the Yxy color 80.1056, 0.4348, 0.4929 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

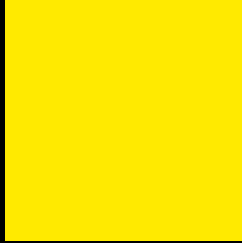
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 80.1056, 0.4348, 0.4929 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 80.1056, 0.4348, 0.4929**

## **Background**



This preview shows how black text looks on a background with the Yxy color 80.1056, 0.4348, 0.4929.



This preview shows how white text looks on a background with the Yxy color 80.1056, 0.4348, 0.4929.

# 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**

80.1056, 0.4348, 0.4929

**Protanopia**

80.2110, 0.4038, 0.4426

**Deuteranopia**

79.9159, 0.3579, 0.3667



## Tritanopia

79.9185, 0.3288, 0.3191

# Trichromacy



## Original Color

80.1056, 0.4348, 0.4929



## Protanomaly

80.0189, 0.4221, 0.4719



## Deuteranomaly

79.2341, 0.4016, 0.4359



## Tritanomaly

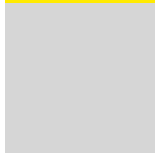
78.3363, 0.3865, 0.4088

# Monochromacy



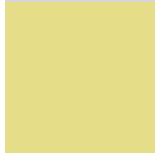
## Original Color

80.1056, 0.4348, 0.4929



## Achromatopsia

67.2443, 0.3127, 0.3290



## Achromatomaly

70.1485, 0.3765, 0.4218

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 80.1056, 0.4348, 0.4929 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, 234, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 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, 234, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 0) }
```

## Border

The CSS property to change the border of an element to Yxy 80.1056, 0.4348, 0.4929 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, 234, 0) }
```

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

```
.border{ border-color:rgb(255, 234, 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, 234, 0) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
0) }
```



# Background

The CSS property to change the background color of an element to Yxy 80.1056, 0.4348, 0.4929 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 0) }
```

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

```
.background{ background-color: rgb(255,  
234, 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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