

# Converting Colors

$Yxy(86.5459, 0.4493, 0.4634)$

Have a look what the booklet for  
Yxy(86.5459, 0.4493, 0.4634)  
contains.

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# **Color**

**Yxy(79.8433, 0.4269, 0.4791)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE93A
RGB	255, 233, 58
RGB Percent	100%, 91%, 23%
CMY	0.0000, 0.0863, 0.7725
CMYK	0.00, 0.09, 0.77, 0.00
HSL	53°, 100%, 61%
HSV	53°, 77%, 100%
XYZ	71.1440, 79.8433, 15.6654
YIQ	219.6280, 69.2870, -49.7610

# Conversions

## Conversions Part 2

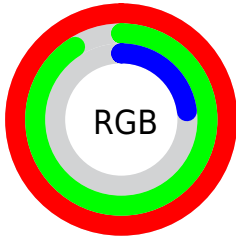
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	83, 255, 58
Decimal	16771386
CIE Lab	91.61, -9.88, 80.74
CIE LCh	92, 81.345, 96.973
Yxy	79.8433, 0.4269, 0.4791
Android (android.graphics.Color)	4294961466 (0xFFFFE93A)
YUV	219.6280, -79.6826, 31.0212
Hunter-Lab	89.3551, -14.2507, 52.1541

# Details

The Yxy color **79.8433, 0.4269, 0.4791** 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 **13.8584, 0.1709, 0.1045**, and the grayscale version is **71.8298, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1119, 0.3903, 0.4572**, and **43.3101, 0.4346, 0.4931** is the 20% darker color. If you saturate the color by 10%, you get **78.0487, 0.4347, 0.4857**, and if you desaturate by 10%, it is **81.7984, 0.4163, 0.4679**.

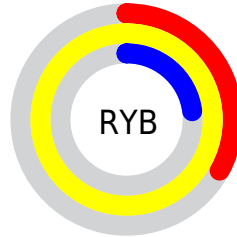
# Distribution



Red (100%)

Green (91%)

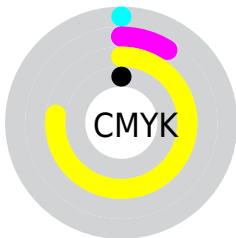
Blue (23%)



Red (33%)

Yellow (100%)

Blue (23%)

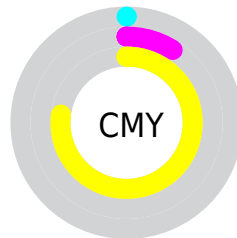


Cyan (0%)

Magenta (9%)

Yellow (77%)

Black (0%)



Cyan (0%)

Magenta (9%)


Yellow (77%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.8433, 0.4269, 0.4791 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 79.8433, 0.4269, 0.4791 by changing the saturation by 10% instead.




 79.8433, 0.4269,  
0.4791

 79.8433, 0.4269,  
0.4791


494.4046, 0.3822,  
0.4164

 59.5894, 0.4342,  
0.4906

 133.1454, 0.4136,  
0.4595

 43.0878, 0.4416,  
0.5031


 166.9624, 0.4078,  
0.4512


 29.9540, 0.4486,  
0.5163


 206.0692, 0.4025,  
0.4438

 19.8037, 0.4544,  
0.5302

 250.8503, 0.3976,  
0.4371

 12.2524, 0.4570,  
0.5430

 301.6899, 0.3932,  
0.4311

 6.9158, 0.4505,  
0.5495

358.9726, 0.3892,

 3.4095, 0.4405,

0.4257

0.5595

423.0827, 0.3855,  
0.4209

■ 1.3491, 0.4230,  
0.5770

■ 0.1787, 0.0000,  
1.0000

■ 79.8433, 0.4269,  
0.4791

■ 79.8433, 0.4269,  
0.4791

■ 78.0487, 0.4347,  
0.4857

■ 81.7984, 0.4163,  
0.4679

■ 76.3836, 0.4397,  
0.4880

■ 83.9217, 0.4033,  
0.4526

■ 75.9401, 0.4408,  
0.4882

■ 86.2304, 0.3884,  
0.4339

■ 88.7373, 0.3724,  
0.4128

■ 91.4537, 0.3559,  
0.3904

■ 94.3901, 0.3395,  
0.3675

■ 97.5560, 0.3237,  
0.3449

100.0000, 0.3127,  
0.3290

# Harmonies

## Analogous

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



79.8433, 0.4851, 0.4183



79.8433, 0.4269, 0.4791



79.8433, 0.3438, 0.5053

# Triad

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



79.8433, 0.4269, 0.4791



79.8433, 0.1590, 0.2631



79.8433, 0.3512, 0.2359

# Complementary

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



79.8433, 0.4269, 0.4791



13.8584, 0.1709, 0.1045

# 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.



79.8433, 0.2586, 0.2014



79.8433, 0.4269, 0.4791



79.8433, 0.1607, 0.2093

# Square

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



79.8433, 0.4269, 0.4791



79.8433, 0.1907, 0.3562



79.8433, 0.1935, 0.1912



79.8433, 0.4443, 0.2888



# Rectangle

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



79.8433, 0.4269, 0.4791



79.8433, 0.2850, 0.4831



79.8433, 0.1935, 0.1912



79.8433, 0.3184, 0.2220

# Sweetspot

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



79.8464, 0.4269, 0.4791



92.6742, 0.3489, 0.3806



24.8814, 0.5573, 0.3135



19.6135, 0.3549, 0.3889



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.



79.8464, 0.4269, 0.4791



77.0769, 0.4379, 0.4875



81.4676, 0.3598, 0.5307



20.7238, 0.3272, 0.3499



39.8192, 0.4404, 0.4885



3.9716, 0.4377, 0.4907



# Inverse Universe

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



13.8584, 0.1709, 0.1045



9.1732, 0.1552, 0.0741



15.2768, 0.2085, 0.1086



17.7041, 0.2979, 0.3072



4.3220, 0.1522, 0.0678



0.5218, 0.1561, 0.0818



# Previews

## White Background



This preview shows how the Yxy color 79.8433, 0.4269, 0.4791 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

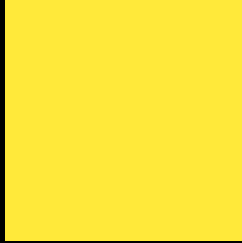
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.8433, 0.4269, 0.4791 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 79.8433, 0.4269, 0.4791**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.8433, 0.4269, 0.4791.



This preview shows how white text looks on a background with the Yxy color 79.8433, 0.4269, 0.4791.

# 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

79.8433, 0.4269, 0.4791

### Protanopia

79.5817, 0.4060, 0.4441

### Deuteranopia

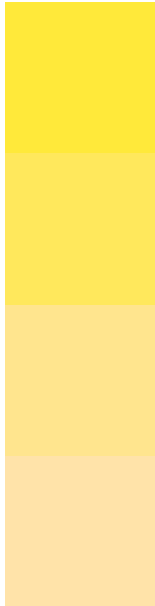
79.9159, 0.3579, 0.3667



## Tritanopia

79.9185, 0.3288, 0.3191

# Trichromacy



## Original Color

79.8433, 0.4269, 0.4791

## Protanomaly

79.7459, 0.4152, 0.4596

## Deuteranomaly

79.2516, 0.3895, 0.4163

## Tritanomaly

79.0627, 0.3724, 0.3881

# Monochromacy



## Original Color

79.8433, 0.4269, 0.4791

## Achromatopsia

71.5694, 0.3127, 0.3290

## Achromatomaly

73.7473, 0.3617, 0.3983

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.8433, 0.4269, 0.4791 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, 233, 58)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 58)  
}
```

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, 233, 58) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 58) }
```

## Border

The CSS property to change the border of an element to Yxy 79.8433, 0.4269, 0.4791 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, 233, 58) }
```

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

```
.border{ border-color:rgb(255, 233, 58) }
```

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

Here you see how a box with a 4 pixel rgb(255, 233, 58) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 58); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 58);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
58) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.8433, 0.4269, 0.4791 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 233, 58) }
```

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

```
.background{ background-color: rgb(255,  
233, 58) }
```

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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