

# Converting Colors

$Y_{xy}(79.5002, 0.4297, 0.4825)$

Have a look what the booklet for  
Yxy(79.5002, 0.4297, 0.4825)  
contains.

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# **Color**

**Yxy(79.7596, 0.4292, 0.4826)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFE931
RGB	255, 233, 49
RGB Percent	100%, 91%, 19%
CMY	0.0000, 0.0862, 0.8073
CMYK	0.00, 0.09, 0.81, 0.00
HSL	54°, 100%, 60%
HSV	54°, 81%, 100%
XYZ	70.9341, 79.7596, 14.5769
YIQ	218.6020, 72.1760, -52.5600

# Conversions

## Conversions Part 2

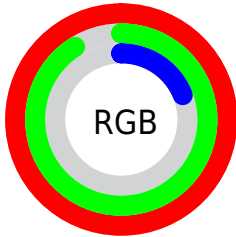
<b>Format</b>	<b>Color</b>
<b>RYB</b>	74, 255, 49
Decimal	16771377
CIELab	91.58, -10.16, 83.16
CIELCh	92, 83.783, 96.965
Yxy	79.7596, 0.4292, 0.4826
Android (android.graphics.Color)	4294961457 (0xFFFFE931)
YUV	218.6020, -83.6138, 31.9210
Hunter-Lab	89.3082, -14.5136, 52.8385

# Details

The Yxy color **79.7596, 0.4292, 0.4826** 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 **12.3989, 0.1662, 0.0955**, and the grayscale version is **71.1134, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9499, 0.3935, 0.4625**, and **43.3101, 0.4346, 0.4931** is the 20% darker color. If you saturate the color by 10%, you get **78.0746, 0.4359, 0.4877**, and if you desaturate by 10%, it is **81.5976, 0.4197, 0.4729**.

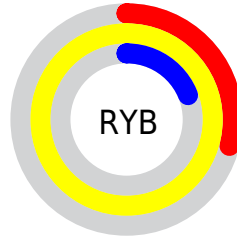
# Distribution



Red (100%)

Green (91%)

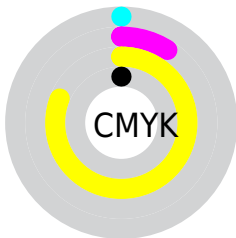
Blue (19%)



Red (29%)

Yellow (100%)

Blue (19%)

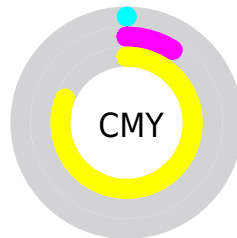


Cyan (0%)

Magenta (9%)

Yellow (81%)

Black (0%)



Cyan (0%)

Magenta (9%)

Yellow (81%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 79.7596, 0.4292, 0.4826 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 79.7596, 0.4292, 0.4826 by changing the saturation by 10% instead.




 79.7596, 0.4292,  
0.4826

 79.7596, 0.4292,  
0.4826


494.1223, 0.3841,  
0.4189

 59.5205, 0.4364,  
0.4941


 133.0277, 0.4160,  
0.4628


 43.0323, 0.4435,  
0.5065


 166.8255, 0.4101,  
0.4544


 29.9105, 0.4500,  
0.5194


 205.9117, 0.4047,  
0.4469

 19.7706, 0.4557,  
0.5334

 250.6707, 0.3998,  
0.4401

 12.2284, 0.4561,  
0.5439

 301.4869, 0.3953,  
0.4340

 6.8994, 0.4494,  
0.5506

358.7446, 0.3912,

 3.3993, 0.4390,

0.4285

0.5610

422.8283, 0.3875,  
0.4235

■ 1.3436, 0.4210,  
0.5790

■ 0.1746, 0.0000,  
1.0000

■ 79.7596, 0.4292,  
0.4826

■ 79.7596, 0.4292,  
0.4826

■ 78.0746, 0.4359,  
0.4877


■ 81.5976, 0.4197,  
0.4729

■ 76.6125, 0.4398,  
0.4890

■ 83.5954, 0.4076,  
0.4589

■ 85.7717, 0.3935,  
0.4412

■ 88.1396, 0.3779,  
0.4208

 90.7110, 0.3616,  
0.3986

 93.4966, 0.3451,  
0.3757

 96.5062, 0.3291,  
0.3528

99.7491, 0.3138,  
0.3306

99.9989, 0.3127,  
0.3290

# Harmonies

## Analogous

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



79.7596, 0.4894, 0.4195



79.7596, 0.4292, 0.4826



79.7596, 0.3439, 0.5109

# Triad

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



79.7596, 0.4292, 0.4826



79.7596, 0.1553, 0.2608



79.7596, 0.3521, 0.2335

# Complementary

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



79.7596, 0.4292, 0.4826



12.3989, 0.1662, 0.0955

# 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.



79.7596, 0.2570, 0.1984



79.7596, 0.4292, 0.4826



79.7596, 0.1572, 0.2061

# Square

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



79.7596, 0.4292, 0.4826



79.7596, 0.1874, 0.3568



79.7596, 0.1906, 0.1879



79.7596, 0.4482, 0.2875



# Rectangle

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



79.7596, 0.4292, 0.4826



79.7596, 0.2837, 0.4885



79.7596, 0.1906, 0.1879



79.7596, 0.3183, 0.2194

# Sweetspot

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



79.7634, 0.4292, 0.4826



92.5660, 0.3505, 0.3832



23.9504, 0.5718, 0.3145



19.6006, 0.3564, 0.3914



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.



79.7634, 0.4292, 0.4826



77.0834, 0.4387, 0.4887



80.9790, 0.3594, 0.5366



20.7396, 0.3272, 0.3500



40.1676, 0.4395, 0.4893



4.0020, 0.4369, 0.4913



# Inverse Universe

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



12.3989, 0.1662, 0.0955



8.4174, 0.1530, 0.0688



14.0212, 0.2035, 0.1017



17.6899, 0.2979, 0.3071



4.2881, 0.1520, 0.0673



0.5151, 0.1558, 0.0809



# Previews

## White Background



This preview shows how the Yxy color 79.7596, 0.4292, 0.4826 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

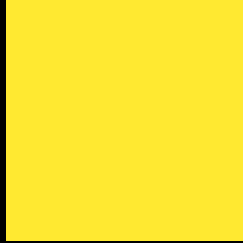
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 79.7596, 0.4292, 0.4826 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 79.7596, 0.4292, 0.4826**

## **Background**



This preview shows how black text looks on a background with the Yxy color 79.7596, 0.4292, 0.4826.



This preview shows how white text looks on a background with the Yxy color 79.7596, 0.4292, 0.4826.

# 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

79.7596, 0.4292, 0.4826

### Protanopia

79.5595, 0.4065, 0.4449

### Deuteranopia

79.8723, 0.3586, 0.3677



## Tritanopia

79.3857, 0.3289, 0.3181

# Trichromacy



## Original Color

79.7596, 0.4292, 0.4826

## Protanomaly

79.6945, 0.4165, 0.4616

## Deuteranomaly

79.1336, 0.3920, 0.4200

## Tritanomaly

78.4059, 0.3748, 0.3901

# Monochromacy



## Original Color

79.7596, 0.4292, 0.4826

## Achromatopsia

70.8376, 0.3127, 0.3290

## Achromatomaly

72.9014, 0.3639, 0.4019

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 79.7596, 0.4292, 0.4826 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, 49)` looks like.

```
.text, #text, p{  
    color:rgb(255, 233, 49)  
}
```

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, 49) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 233, 49) }
```

## Border

The CSS property to change the border of an element to Yxy 79.7596, 0.4292, 0.4826 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, 49) }
```

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

```
.border{ border-color:rgb(255, 233, 49) }
```

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, 49) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 233, 49); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 233, 49);  
box-shadow:4px 4px 4px 4px rgb(255, 233,  
49) }
```



# Background

The CSS property to change the background color of an element to Yxy 79.7596, 0.4292, 0.4826 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, 49) }
```

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

```
.background{ background-color: rgb(255,  
233, 49) }
```

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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