

# Converting Colors

$Yxy(78.6639, 0.4344, 0.4947)$

Have a look what the booklet for  
Yxy(78.6639, 0.4344, 0.4947)  
contains.

<b>Yxy(78.9733, 0.4334, 0.4940)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# **Color**

**Yxy(78.9733, 0.4334, 0.4940)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FCE901
RGB	252, 233, 1
RGB Percent	99%, 91%, 0%
CMY	0.0118, 0.0863, 0.9979
CMYK	0.00, 0.08, 1.00, 0.01
HSL	55°, 100%, 50%
HSV	55°, 100%, 99%
XYZ	69.2855, 78.9733, 11.6062
YIQ	212.2330, 85.7960, -68.1240

# Conversions

## Conversions Part 2

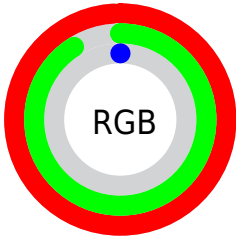
<b>Format</b>	<b>Color</b>
<a href="#">RYB</a>	22, 252, 1
Decimal	16574721
CIELab	91.22, -12.17, 90.04
CIElCh	91, 90.856, 97.700
Yxy	78.9733, 0.4334, 0.4940
Android (android.graphics.Color)	4294764801 (0xFFFC901)
YUV	212.2330, -104.1379, 34.8757
Hunter-Lab	88.8669, -16.3488, 54.4635

# Details

The Yxy color **78.9733, 0.4334, 0.4940** 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 **7.5155, 0.1511, 0.0637**, and the grayscale version is **66.6315, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5527, 0.4017, 0.4761**, and **42.7879, 0.4308, 0.4961** is the 20% darker color. If you saturate the color by 10%, you get **78.9528, 0.4335, 0.4940**, and if you desaturate by 10%, it is **80.1328, 0.4298, 0.4920**.

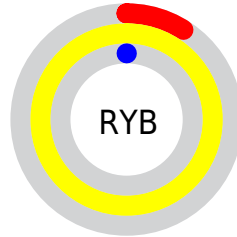
# Distribution



Red (99%)

Green (91%)

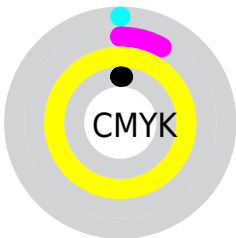
Blue (0%)



Red (9%)

Yellow (99%)

Blue (0%)

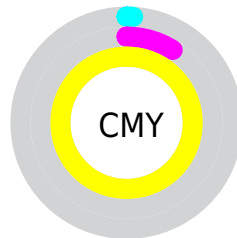


Cyan (0%)

Magenta (8%)

Yellow (100%)

Black (1%)



Cyan (1%)

Magenta (9%)


Yellow (100%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 78.9733, 0.4334, 0.4940 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 78.9733, 0.4334, 0.4940 by changing the saturation by 10% instead.





 78.9733, 0.4334,  
0.4940


 78.9733, 0.4334,  
0.4940


491.4660, 0.3885,  
0.4268


 58.8739, 0.4399,  
0.5056


 131.9213, 0.4208,  
0.4736


 42.5116, 0.4458,  
0.5177

 165.5386, 0.4150,  
0.4647


 29.5021, 0.4505,  
0.5300


 204.4307, 0.4096,  
0.4568

 19.4610, 0.4552,  
0.5448

 248.9819, 0.4047,  
0.4495

 12.0038, 0.4495,  
0.5505

 299.5766, 0.4001,  
0.4430

 6.7463, 0.4413,  
0.5587


 356.5993, 0.3959,


 3.3039, 0.4286,


0.4371


0.5714

420.4343, 0.3920,  
0.4317


 1.2924, 0.4063,  
0.5937


 0.1353, 0.0000,  
1.0000


 78.9733, 0.4334,  
0.4940


 78.9733, 0.4334,  
0.4940

 78.9528, 0.4335,  
0.4940

 80.1328, 0.4298,  
0.4920

 81.3930, 0.4238,  
0.4861

 82.7850, 0.4150,  
0.4756

 84.3261, 0.4036,  
0.4609

■ 86.0305, 0.3902,  
0.4425

■ 87.9107, 0.3752,  
0.4214

■ 89.9781, 0.3594,  
0.3986

■ 92.2429, 0.3433,  
0.3749

■ 94.7145, 0.3275,  
0.3514

# Harmonies

## Analogous

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



78.9733, 0.5006, 0.4245



78.9733, 0.4334, 0.4940



78.9733, 0.3414, 0.5275

# Triad

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



78.9733, 0.4334, 0.4940



78.9733, 0.1443, 0.2520



78.9733, 0.3576, 0.2279

# Complementary

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



78.9733, 0.4334, 0.4940



7.5155, 0.1511, 0.0637

# 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.



78.9733, 0.2543, 0.1904



78.9733, 0.4334, 0.4940



78.9733, 0.1475, 0.1959

# Square

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



78.9733, 0.4334, 0.4940



78.9733, 0.1763, 0.3553



78.9733, 0.1832, 0.1783



78.9733, 0.4620, 0.2850



# Rectangle

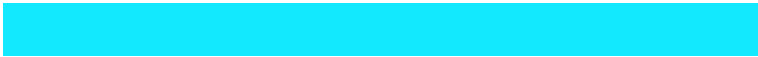
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.9733, 0.4334, 0.4940



78.9733, 0.2772, 0.5031



78.9733, 0.1832, 0.1783



78.9733, 0.3208, 0.2128

# Sweetspot

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



78.9771, 0.4334, 0.4940



92.3833, 0.3597, 0.3991



20.7626, 0.6328, 0.3261



19.5773, 0.3665, 0.4089



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.



78.9771, 0.4334, 0.4940



81.1018, 0.4335, 0.4940



75.8438, 0.3475, 0.5622



19.9531, 0.3271, 0.3507



41.2261, 0.4332, 0.4942



3.8831, 0.4314, 0.4957



# Inverse Universe

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



7.5155, 0.1511, 0.0637



7.6946, 0.1510, 0.0635



10.0621, 0.1856, 0.0797



16.8535, 0.2979, 0.3063



3.9820, 0.1513, 0.0647

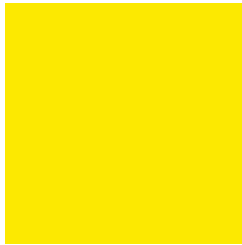


0.4394, 0.1543, 0.0755



# Previews

## White Background



This preview shows how the Yxy color 78.9733, 0.4334, 0.4940 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

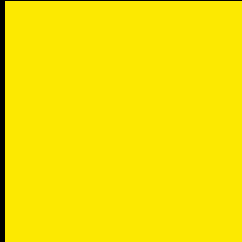
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 78.9733, 0.4334, 0.4940 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 78.9733, 0.4334, 0.4940**

## **Background**



This preview shows how black text looks on a background with the Yxy color 78.9733, 0.4334, 0.4940.



This preview shows how white text looks on a background with the Yxy color 78.9733, 0.4334, 0.4940.

# 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

78.9755, 0.4334, 0.4940

### Protanopia

78.7545, 0.4131, 0.4532

### Deuteranopia

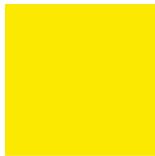
78.6132, 0.3619, 0.3699



## Tritanopia

78.7991, 0.3297, 0.3181

# Trichromacy



## Original Color

78.9755, 0.4334, 0.4940



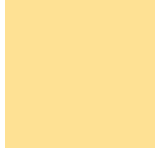
## Protanomaly

78.5815, 0.4261, 0.4760



## Deuteranomaly

77.8656, 0.4036, 0.4371



## Tritanomaly

77.0594, 0.3865, 0.4072

# Monochromacy



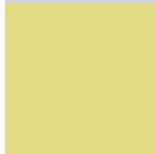
## Original Color

78.9755, 0.4334, 0.4940



## Achromatopsia

65.8375, 0.3127, 0.3290



## Achromatomaly

69.2666, 0.3760, 0.4225

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 78.9733, 0.4334, 0.4940 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(252, 233, 1)` looks like.

```
.text, #text, p{  
    color:rgb(252, 233, 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(252, 233, 1) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 233, 1) }
```

## Border

The CSS property to change the border of an element to Yxy 78.9733, 0.4334, 0.4940 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(252, 233, 1) }
```

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

```
.border{ border-color:rgb(252, 233, 1) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 233, 1)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 233, 1); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 233, 1);  
box-shadow:4px 4px 4px 4px rgb(252, 233,  
1) }
```



# Background

The CSS property to change the background color of an element to Yxy 78.9733, 0.4334, 0.4940 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 233, 1) }
```

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

```
.background{ background-color: rgb(252,  
233, 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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