

# Converting Colors

$Yxy(71.1907, 0.3994, 0.4794)$

Have a look what the booklet for  
Yxy(71.1907, 0.3994, 0.4794)  
contains.

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**Color**

**Yxy(71.1907, 0.3994, 0.4794)**

# Conversions

## Conversions Part 1

Format	Color
Hex	DFE34F
RGB	223, 227, 79
RGB Percent	87%, 89%, 31%
CMY	0.1255, 0.1098, 0.6905
CMYK	0.02, 0.00, 0.65, 0.11
HSL	62°, 73%, 60%
HSV	62°, 65%, 89%
XYZ	59.3107, 71.1907, 17.9981
YIQ	208.9320, 45.1240, -46.8760

# Conversions

## Conversions Part 2

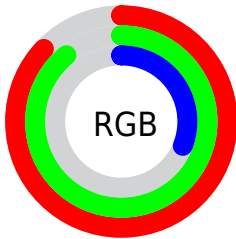
Format	Color
<a href="#">RYB</a>	<a href="#">79, 227, 83</a>
Decimal	<a href="#">14672719</a>
CIELab	<a href="#">87.58, -19.19, 68.82</a>
CIElCh	<a href="#">88, 71.444, 105.578</a>
Yxy	<a href="#">71.1907, 0.3994, 0.4794</a>
Android (android.graphics.Color)	<a href="#">4292862799 (0xFFDFE34F)</a>
YUV	<a href="#">208.9320, -64.0565, 12.3376</a>
Hunter-Lab	<a href="#">84.3746, -22.1797, 46.4149</a>

# Details

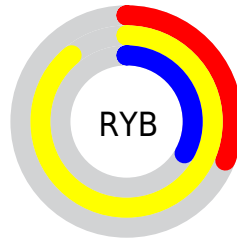
The Yxy color **71.1907, 0.3994, 0.4794** is a light color, and the websafe version is hex **CCCC33**. The color can be described as light muted yellow. A complement of this color would be **12.9643, 0.1884, 0.1208**, and the grayscale version is **64.1154, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5293, 0.3824, 0.4443**, and **37.4107, 0.4105, 0.5103** is the 20% darker color. If you saturate the color by 10%, you get **70.8210, 0.4069, 0.4931**, and if you desaturate by 10%, it is **71.6802, 0.3895, 0.4616**.

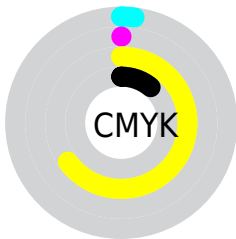
# Distribution



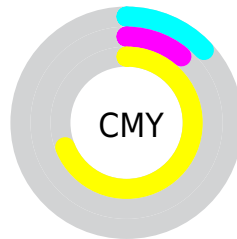
- Red (87%)
- Green (89%)
- Blue (31%)



- Red (31%)
- Yellow (89%)
- Blue (33%)



- Cyan (2%)
- Magenta (0%)
- Yellow (65%)
- Black (11%)




- Cyan (13%)
- Magenta (11%)
- Yellow (69%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.1907, 0.3994, 0.4794 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 71.1907, 0.3994, 0.4794 by changing the saturation by 10% instead.




 71.1907, 0.3994,  
0.4794

 71.1907, 0.3994,  
0.4794


464.7198, 0.3646,  
0.4113


 52.4978, 0.4052,  
0.4935


 120.9052, 0.3889,  
0.4568

 37.4020, 0.4111,  
0.5097


 152.6957, 0.3843,  
0.4476


 25.5189, 0.4165,  
0.5284


 189.6208, 0.3802,  
0.4396

 16.4641, 0.4199,  
0.5493

 232.0649, 0.3765,  
0.4326

 9.8532, 0.4229,  
0.5771

 280.4125, 0.3731,  
0.4264

 5.3017, 0.4076,  
0.5924


335.0479, 0.3700,

 2.4253, 0.3829,


0.4208


0.6171


396.3555, 0.3672,  
0.4158


 0.8389, 0.2817,  
0.7183

 0.0000, 0.0000,  
0.0000


 71.1907, 0.3994,  
0.4794


 71.1907, 0.3994,  
0.4794


 70.8210, 0.4069,  
0.4931

 71.6802, 0.3895,  
0.4616


 70.5490, 0.4117,  
0.5025

 72.2898, 0.3775,  
0.4405

 70.3634, 0.4140,  
0.5076

 73.0321, 0.3640,  
0.4170

 70.2937, 0.4146,  
0.5090

 73.9154, 0.3496,  
0.3921

■ 74.9473, 0.3348,  
0.3668

■ 76.1349, 0.3202,  
0.3417

■ 77.4849, 0.3061,  
0.3177

■ 78.6416, 0.2959,  
0.3004

■ 78.7421, 0.2963,  
0.3004

# Harmonies

## Analogous

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



71.1907, 0.4609, 0.4312



71.1907, 0.3994, 0.4794



71.1907, 0.3195, 0.4838

# Triad

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



71.1907, 0.3994, 0.4794



71.1907, 0.1672, 0.2513



71.1907, 0.3743, 0.2556

# Complementary

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



71.1907, 0.3994, 0.4794



12.9643, 0.1884, 0.1208

# 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.



71.1907, 0.2860, 0.2175



71.1907, 0.3994, 0.4794



71.1907, 0.1771, 0.2106

# Square

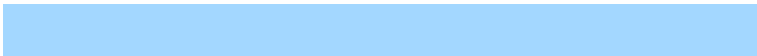
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



71.1907, 0.3994, 0.4794



71.1907, 0.1883, 0.3274



71.1907, 0.2168, 0.2011



71.1907, 0.4516, 0.3091



# Rectangle

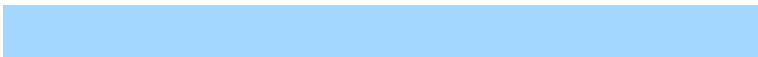
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



71.1907, 0.3994, 0.4794



71.1907, 0.2663, 0.4493



71.1907, 0.2168, 0.2011



71.1907, 0.3442, 0.2408

# Sweetspot

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



71.1940, 0.3994, 0.4794



96.8791, 0.3421, 0.3792



22.8398, 0.5242, 0.3320



20.6564, 0.3462, 0.3864



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.



71.1940, 0.3994, 0.4794



92.0610, 0.4088, 0.4967



62.0370, 0.3441, 0.5137



16.7963, 0.3263, 0.3522



41.0015, 0.4146, 0.5090



3.0362, 0.4154, 0.5084



# Inverse Universe

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



12.9643, 0.1884, 0.1208



11.0653, 0.1672, 0.0864



18.1402, 0.2460, 0.1475



13.9056, 0.2984, 0.3047



3.2656, 0.1509, 0.0605

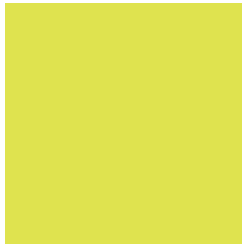


0.2479, 0.1533, 0.0618



# Previews

## White Background



This preview shows how the Yxy color 71.1907, 0.3994, 0.4794 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 71.1907, 0.3994, 0.4794 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 71.1907, 0.3994, 0.4794**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.1907, 0.3994, 0.4794.



This preview shows how white text looks on a background with the Yxy color 71.1907, 0.3994, 0.4794.

# 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

71.1907, 0.3994, 0.4794

### Protanopia

71.1347, 0.4220, 0.4647

### Deuteranopia

70.6140, 0.3899, 0.3908



## Tritanopia

70.7486, 0.3194, 0.3112

# Trichromacy



## Original Color

71.1907, 0.3994, 0.4794

## Protanomaly

71.3299, 0.4133, 0.4702

## Deuteranomaly

70.1611, 0.3965, 0.4249

## Tritanomaly

69.8375, 0.3541, 0.3762

# Monochromacy



## Original Color

71.1907, 0.3994, 0.4794

## Achromatopsia

63.7597, 0.3127, 0.3290

## Achromatomaly

66.0165, 0.3487, 0.3914

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.1907, 0.3994, 0.4794 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(223, 227, 79)` looks like.

```
.text, #text, p{  
    color:rgb(223, 227, 79)  
}
```

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(223, 227, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(223, 227, 79) }
```

## Border

The CSS property to change the border of an element to Yxy 71.1907, 0.3994, 0.4794 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(223, 227, 79) }
```

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

```
.border{ border-color:rgb(223, 227, 79) }
```

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

Here you see how a box with a 4 pixel `rgb(223, 227, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(223, 227, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(223, 227, 79);  
box-shadow:4px 4px 4px 4px rgb(223, 227,  
79) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.1907, 0.3994, 0.4794 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(223, 227, 79) }
```

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

```
.background{ background-color: rgb(223,  
227, 79) }
```

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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