

# Converting Colors

$Y_{xy}(71.1183, 0.4281, 0.4802)$

Have a look what the booklet for  
Yxy(71.1183, 0.4281, 0.4802)  
contains.

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# **Color**

**Yxy(71.0155, 0.4284, 0.4796)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3DD34
RGB	243, 221, 52
RGB Percent	95%, 87%, 20%
CMY	0.0471, 0.1333, 0.7957
CMYK	0.00, 0.09, 0.79, 0.05
HSL	53°, 89%, 58%
HSV	53°, 79%, 95%
XYZ	63.4342, 71.0155, 13.6227
YIQ	208.3120, 67.3610, -47.8950

# Conversions

## Conversions Part 2

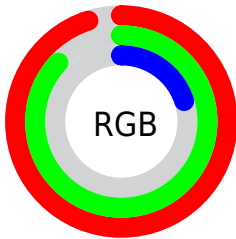
Format	Color
<a href="#">RYB</a>	<a href="#">77, 243, 52</a>
Decimal	<a href="#">15981876</a>
CIELab	<a href="#">87.49, -9.14, 78.41</a>
CIELCh	<a href="#">87, 78.936, 96.648</a>
Yxy	<a href="#">71.0155, 0.4284, 0.4796</a>
Android (android.graphics.Color)	<a href="#">4294171956 (0xFFFF3DD34)</a>
YUV	<a href="#">208.3120, -77.0618, 30.4214</a>
Hunter-Lab	<a href="#">84.2707, -13.1090, 49.4050</a>

# Details

The Yxy color **71.0155, 0.4284, 0.4796** is a light color, and the websafe version is hex **CCCC00**. The color can be described as light washed yellow. A complement of this color would be **12.1070, 0.1696, 0.1024**, and the grayscale version is **63.7737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9723, 0.3930, 0.4618**, and **37.3397, 0.4366, 0.4915** is the 20% darker color. If you saturate the color by 10%, you get **69.3888, 0.4360, 0.4857**, and if you desaturate by 10%, it is **72.7862, 0.4180, 0.4690**.

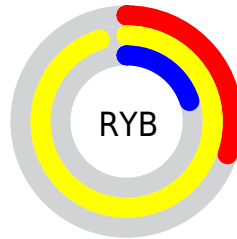
# Distribution



Red (95%)

Green (87%)

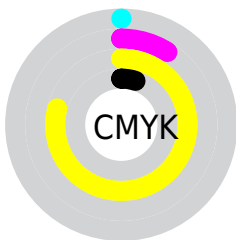
Blue (20%)



Red (30%)

Yellow (95%)

Blue (20%)

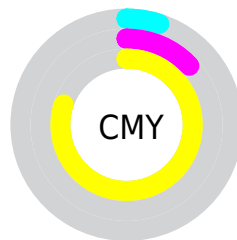


Cyan (0%)

Magenta (9%)

Yellow (79%)

Black (5%)



Cyan (5%)

Magenta (13%)


Yellow (80%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 71.0155, 0.4284, 0.4796 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 71.0155, 0.4284, 0.4796 by changing the saturation by 10% instead.




 71.0155, 0.4284,  
0.4796


 71.0155, 0.4284,  
0.4796

464.1076, 0.3820,  
0.4155

 52.3548, 0.4360,  
0.4915


 120.6558, 0.4145,  
0.4594


 37.2880, 0.4438,  
0.5044


 152.4042, 0.4084,  
0.4509

 25.4306, 0.4509,  
0.5179


 189.2840, 0.4029,  
0.4433

 16.3981, 0.4582,  
0.5338

 231.6796, 0.3979,  
0.4365

 9.8063, 0.4571,  
0.5429

 279.9754, 0.3934,  
0.4304

 5.2707, 0.4500,  
0.5500

334.5557, 0.3892,

 2.4070, 0.4386,

0.4249

0.5614

395.8050, 0.3855,  
0.4199

0.8295, 0.4053,  
0.5947

0.0000, 0.0000,  
0.0000

71.0155, 0.4284,  
0.4796

71.0155, 0.4284,  
0.4796

69.3888, 0.4360,  
0.4857

72.7862, 0.4180,  
0.4690

67.8738, 0.4409,  
0.4875

74.7059, 0.4052,  
0.4542

67.6611, 0.4415,  
0.4876

76.7911, 0.3904,  
0.4359

79.0530, 0.3745,  
0.4152

■ 81.5020, 0.3580,  
0.3930

■ 84.1474, 0.3416,  
0.3702

■ 86.9980, 0.3257,  
0.3477

■ 90.0617, 0.3106,  
0.3259

■ 92.2885, 0.3055,  
0.3204

# Harmonies

## Analogous

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



71.0155, 0.4868, 0.4179



71.0155, 0.4284, 0.4796



71.0155, 0.3448, 0.5070

# Triad

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



71.0155, 0.4284, 0.4796



71.0155, 0.1580, 0.2632



71.0155, 0.3504, 0.2347

# Complementary

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



71.0155, 0.4284, 0.4796



12.1070, 0.1696, 0.1024

# 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.



71.0155, 0.2573, 0.2003



71.0155, 0.4284, 0.4796



71.0155, 0.1595, 0.2087

# Square

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



71.0155, 0.4284, 0.4796



71.0155, 0.1903, 0.3575



71.0155, 0.1921, 0.1902



71.0155, 0.4446, 0.2878



# Rectangle

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



71.0155, 0.4284, 0.4796



71.0155, 0.2855, 0.4854



71.0155, 0.1921, 0.1902



71.0155, 0.3173, 0.2208

# Sweetspot

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



71.0189, 0.4284, 0.4796



92.2551, 0.3506, 0.3827



22.0139, 0.5621, 0.3138



19.5246, 0.3565, 0.3909



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.



71.0189, 0.4284, 0.4796



76.4630, 0.4390, 0.4871



72.8603, 0.3597, 0.5326



18.9688, 0.3271, 0.3498



37.2711, 0.4411, 0.4880



3.3663, 0.4380, 0.4904



# Inverse Universe

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



12.1070, 0.1696, 0.1024



9.0432, 0.1547, 0.0732



13.3136, 0.2069, 0.1063



16.2337, 0.2979, 0.3074



4.1034, 0.1523, 0.0683



0.4586, 0.1567, 0.0842



# Previews

## White Background



This preview shows how the Yxy color 71.0155, 0.4284, 0.4796 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

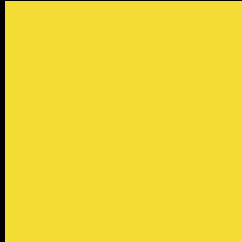
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 71.0155, 0.4284, 0.4796 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 71.0155, 0.4284, 0.4796**

## **Background**



This preview shows how black text looks on a background with the Yxy color 71.0155, 0.4284, 0.4796.



This preview shows how white text looks on a background with the Yxy color 71.0155, 0.4284, 0.4796.

# 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

71.0155, 0.4284, 0.4796

### Protanopia

71.0272, 0.4315, 0.4773

### Deuteranopia

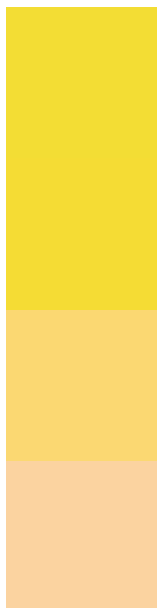
71.0184, 0.3916, 0.3948



## Tritanopia

70.6765, 0.3386, 0.3129

# Trichromacy



## Original Color

71.0155, 0.4284, 0.4796

## Protanomaly

70.8468, 0.4308, 0.4778

## Deuteranomaly

70.8359, 0.4102, 0.4313

## Tritanomaly

69.6358, 0.3812, 0.3824

# Monochromacy



## Original Color

71.0155, 0.4284, 0.4796

## Achromatopsia

63.0757, 0.3127, 0.3290

## Achromatomaly

65.1950, 0.3629, 0.3996

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 71.0155, 0.4284, 0.4796 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(243, 221, 52)` looks like.

```
.text, #text, p{  
    color:rgb(243, 221, 52)  
}
```

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(243, 221, 52) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 221, 52) }
```

## Border

The CSS property to change the border of an element to Yxy 71.0155, 0.4284, 0.4796 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(243, 221, 52) }
```

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

```
.border{ border-color:rgb(243, 221, 52) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 221, 52)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 221, 52); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 221, 52);  
box-shadow:4px 4px 4px 4px rgb(243, 221,  
52) }
```



# Background

The CSS property to change the background color of an element to Yxy 71.0155, 0.4284, 0.4796 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 221, 52) }
```

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

```
.background{ background-color: rgb(243,  
221, 52) }
```

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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