

Converting Colors

$Yxy(81.8071, 0.4561, 0.4245)$

Have a look what the booklet for
Yxy(81.8071, 0.4561, 0.4245)
contains.

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Color

Yxy(71.7866, 0.4212, 0.4427)

Conversions

Conversions Part 1

Format	Color
Hex	FFD963
RGB	255, 217, 99
RGB Percent	100%, 85%, 39%
CMY	0.0001, 0.1490, 0.6116
CMYK	0.00, 0.15, 0.61, 0.00
HSL	45°, 100%, 69%
HSV	45°, 61%, 100%
XYZ	68.3002, 71.7866, 22.0695
YIQ	214.9100, 60.5260, -28.6420

Conversions

Conversions Part 2

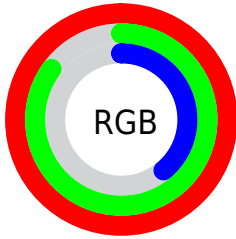
Format	Color
R _Y B	149, 255, 99
Decimal	16767331
CIE Lab	87.87, 0.15, 61.60
CIE LCh	88, 61.596, 89.859
Yxy	71.7866, 0.4212, 0.4427
Android (android.graphics.Color)	4294957411 (0xFFFFD963)
YUV	214.9100, -57.1436, 35.1589
Hunter-Lab	84.7270, -4.3795, 43.8652

Details

The Yxy color **71.7866, 0.4212, 0.4427** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **27.7651, 0.2032, 0.1755**, and the grayscale version is **68.2576, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1131, 0.3723, 0.4275**, and **37.6246, 0.4416, 0.4630** is the 20% darker color. If you saturate the color by 10%, you get **68.2362, 0.4379, 0.4548**, and if you desaturate by 10%, it is **75.6181, 0.4030, 0.4271**.

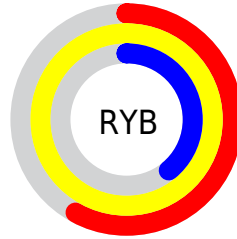
Distribution



Red (100%)

Green (85%)

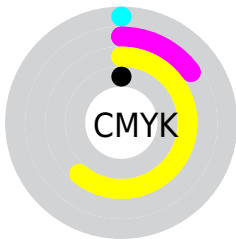
Blue (39%)



Red (58%)

Yellow (100%)

Blue (39%)

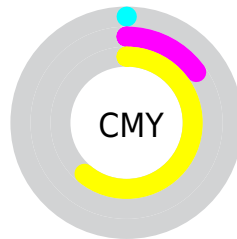


Cyan (0%)

Magenta (15%)

Yellow (61%)

Black (0%)



Cyan (0%)

Magenta (15%)

Yellow (61%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.7866, 0.4212, 0.4427 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 71.7866, 0.4212, 0.4427 by changing the saturation by 10% instead.

 71.7866, 0.4212,
0.4427

 71.7866, 0.4212,
0.4427


466.7985, 0.3741,
0.3934

 52.9844, 0.4305,
0.4524


 121.7531, 0.4059,
0.4267

 37.7903, 0.4411,
0.4635


 153.6861, 0.3996,
0.4201

 25.8200, 0.4529,
0.4758


 190.7649, 0.3941,
0.4143

 16.6890, 0.4655,
0.4890

 233.3738, 0.3892,
0.4092

 10.0130, 0.4814,
0.5055

281.8972, 0.3848,
0.4046

 5.4076, 0.4879,
0.5121

336.7195, 0.3809,

 2.4883, 0.4881,

0.4005

0.5119

398.2252, 0.3773,
0.3967

■ 0.8708, 0.4884,
0.5116

■ 0.0000, 0.0000,
0.0000

■ 71.7866, 0.4212,
0.4427

■ 71.7866, 0.4212,
0.4427

■ 68.2362, 0.4379,
0.4548

■ 75.6181, 0.4030,
0.4271

■ 64.9404, 0.4522,
0.4624

■ 79.7348, 0.3841,
0.4091

■ 61.8831, 0.4635,
0.4652

■ 84.1532, 0.3654,
0.3896

■ 59.3527, 0.4713,
0.4640

■ 88.8852, 0.3473,
0.3697

■ 93.9417, 0.3302,
0.3501

■ 99.3331, 0.3145,
0.3311

■ 99.9957, 0.3127,
0.3290

Harmonies

Analogous

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



71.7866, 0.4574, 0.3939



71.7866, 0.4212, 0.4427



71.7866, 0.3582, 0.4663

Triad

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



71.7866, 0.4212, 0.4427



71.7866, 0.1910, 0.2942



71.7866, 0.3258, 0.2446

Complementary

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



71.7866, 0.4212, 0.4427



27.7651, 0.2032, 0.1755

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.



71.7866, 0.2553, 0.2202



71.7866, 0.4212, 0.4427



71.7866, 0.1850, 0.2413

Square

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



71.7866, 0.4212, 0.4427



71.7866, 0.2262, 0.3710



71.7866, 0.2067, 0.2177



71.7866, 0.4008, 0.2865

Rectangle

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



71.7866, 0.4212, 0.4427



71.7866, 0.3104, 0.4557



71.7866, 0.2067, 0.2177



71.7866, 0.3006, 0.2343

Sweetspot

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



71.7900, 0.4212, 0.4427



90.4649, 0.3418, 0.3635



32.0222, 0.4576, 0.2914



19.0550, 0.3468, 0.3692



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.



71.7900, 0.4212, 0.4427



67.6240, 0.4407, 0.4565



87.0047, 0.3717, 0.4876



20.2973, 0.3275, 0.3469



31.2650, 0.4702, 0.4648



3.2144, 0.4632, 0.4705

Inverse Universe

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



27.7651, 0.2032, 0.1755



20.5523, 0.1839, 0.1425



21.5547, 0.2177, 0.1422



18.0958, 0.2979, 0.3105



5.7706, 0.1576, 0.0872



0.7238, 0.1633, 0.1078

Previews

White Background



This preview shows how the Yxy color 71.7866, 0.4212, 0.4427 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 71.7866, 0.4212, 0.4427 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 71.7866, 0.4212, 0.4427

Background



This preview shows how black text looks on a background with the Yxy color 71.7866, 0.4212, 0.4427.



This preview shows how white text looks on a background with the Yxy color 71.7866, 0.4212, 0.4427.

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

71.7866, 0.4212, 0.4427

Protanopia

72.0455, 0.4104, 0.4493

Deuteranopia

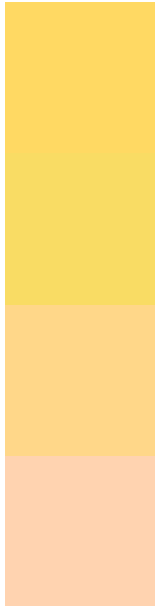
71.8218, 0.3848, 0.3867



Tritanopia

71.5391, 0.3399, 0.3169

Trichromacy



Original Color

71.7866, 0.4212, 0.4427

Protanomaly

72.2462, 0.4142, 0.4469

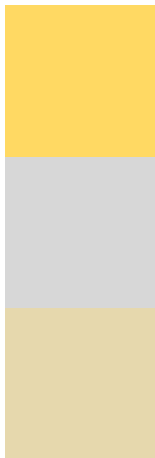
Deuteranomaly

71.6670, 0.3991, 0.4083

Tritanomaly

70.9831, 0.3724, 0.3653

Monochromacy



Original Color

71.7866, 0.4212, 0.4427

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

68.9519, 0.3535, 0.3765

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7866, 0.4212, 0.4427 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, 217, 99)` looks like.

```
.text, #text, p{  
    color:rgb(255, 217, 99)  
}
```

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, 217, 99) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 217, 99) }
```

Border

The CSS property to change the border of an element to Yxy 71.7866, 0.4212, 0.4427 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, 217, 99) }
```

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

```
.border{ border-color:rgb(255, 217, 99) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 217, 99)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 217, 99); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 217, 99);  
box-shadow:4px 4px 4px 4px rgb(255, 217,  
99) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7866, 0.4212, 0.4427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 217, 99) }
```

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

```
.background{ background-color: rgb(255,  
217, 99) }
```

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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