

Converting Colors

Yxy(80.4425, 0.4499, 0.4449)

Have a look what the booklet for
Yxy(80.4425, 0.4499, 0.4449)
contains.

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Color

Yxy(74.0966, 0.4266, 0.4591)

Conversions

Conversions Part 1

Format	Color
Hex	FFDE51
RGB	255, 222, 81
RGB Percent	100%, 87%, 32%
CMY	0.0000, 0.1294, 0.6825
CMYK	0.00, 0.13, 0.68, 0.00
HSL	49°, 100%, 66%
HSV	49°, 68%, 100%
XYZ	68.8513, 74.0966, 18.4475
YIQ	215.7930, 64.9290, -36.8550

Conversions

Conversions Part 2

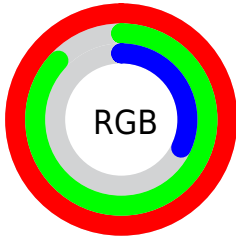
Format	Color
RYB	122, 255, 81
Decimal	16768593
CIELab	88.97, -3.40, 70.31
CIELCh	89, 70.394, 92.768
Yxy	74.0966, 0.4266, 0.4591
Android (android.graphics.Color)	4294958673 (0xFFFFDE51)
YUV	215.7930, -66.4529, 34.3845
Hunter-Lab	86.0794, -7.8643, 47.5493

Details

The Yxy color **74.0966, 0.4266, 0.4591** is a light color, and the websafe version is hex **FFCC33**. The color can be described as light muted yellow. A complement of this color would be **20.9910, 0.1885, 0.1441**, and the grayscale version is **68.9444, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5861, 0.3814, 0.4426**, and **39.2661, 0.4456, 0.4808** is the 20% darker color. If you saturate the color by 10%, you get **71.2510, 0.4396, 0.4689**, and if you desaturate by 10%, it is **77.1579, 0.4113, 0.4451**.

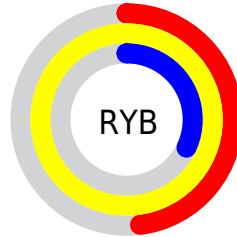
Distribution



Red (100%)

Green (87%)

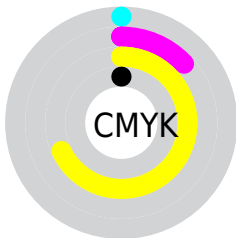
Blue (32%)



Red (48%)

Yellow (100%)

Blue (32%)

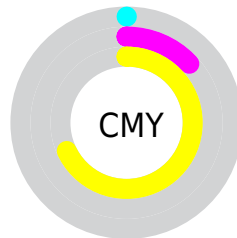


Cyan (0%)

Magenta (13%)

Yellow (68%)

Black (0%)



Cyan (0%)

Magenta (13%)

Yellow (68%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.0966, 0.4266, 0.4591 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 74.0966, 0.4266, 0.4591 by changing the saturation by 10% instead.


 74.0966, 0.4266,
0.4591

 74.0966, 0.4266,
0.4591


474.8067, 0.3790,
0.4036


 54.8731, 0.4354,
0.4696


 125.0327, 0.4117,
0.4414

 39.3001, 0.4449,
0.4814


 157.5142, 0.4054,
0.4340

 26.9933, 0.4549,
0.4941


 195.1837, 0.3997,
0.4275

 17.5682, 0.4645,
0.5070

 238.4257, 0.3947,
0.4217

 10.6404, 0.4765,
0.5235

287.6246, 0.3901,
0.4164

 5.8256, 0.4741,
0.5259

343.1649, 0.3861,

 2.7393, 0.4702,

0.4117

405.4307, 0.3824,
0.4075

0.5298

0.9972, 0.4633,
0.5367

0.0000, 0.0000,
0.0000

74.0966, 0.4266,
0.4591

74.0966, 0.4266,
0.4591

71.2510, 0.4396,
0.4689

77.1579, 0.4113,
0.4451

68.6057, 0.4498,
0.4740

80.4521, 0.3944,
0.4278

66.1358, 0.4570,
0.4745

83.9917, 0.3767,
0.4083

65.7168, 0.4582,
0.4744

87.7886, 0.3590,
0.3875

■ 91.8540, 0.3418,
0.3664

■ 96.1979, 0.3254,
0.3456

100.0000, 0.3127,
0.3290

Harmonies

Analogous

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



74.0966, 0.4724, 0.4044



74.0966, 0.4266, 0.4591



74.0966, 0.3541, 0.4850

Triad

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



74.0966, 0.4266, 0.4591



74.0966, 0.1755, 0.2813



74.0966, 0.3353, 0.2391

Complementary

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



74.0966, 0.4266, 0.4591



20.9910, 0.1885, 0.1441

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.



74.0966, 0.2547, 0.2103



74.0966, 0.4266, 0.4591



74.0966, 0.1725, 0.2265

Square

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



74.0966, 0.4266, 0.4591



74.0966, 0.2102, 0.3671



74.0966, 0.1989, 0.2046



74.0966, 0.4195, 0.2862

Rectangle

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



74.0966, 0.4266, 0.4591



74.0966, 0.3007, 0.4704



74.0966, 0.1989, 0.2046



74.0966, 0.3065, 0.2272

Sweetspot

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



74.0959, 0.4266, 0.4591



91.1244, 0.3447, 0.3700



28.3931, 0.4973, 0.2984



19.2568, 0.3495, 0.3760



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.



74.0959, 0.4266, 0.4591



70.2378, 0.4438, 0.4714



84.7798, 0.3691, 0.5062



20.4707, 0.3274, 0.3481



34.5476, 0.4574, 0.4750



3.5076, 0.4523, 0.4791

Inverse Universe

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



20.9910, 0.1885, 0.1441



14.3818, 0.1688, 0.1081



18.0978, 0.2112, 0.1246



17.9349, 0.2979, 0.3091



5.0503, 0.1549, 0.0777



0.6324, 0.1601, 0.0964

Previews

White Background



This preview shows how the Yxy color 74.0966, 0.4266, 0.4591 looks on a white background.

Color Contrast Check

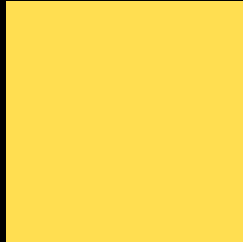
Large Text (above 18pt) WCAG AA × Fail

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 74.0966, 0.4266, 0.4591 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 74.0966, 0.4266, 0.4591

Background



This preview shows how black text looks on a background with the Yxy color 74.0966, 0.4266, 0.4591.



This preview shows how white text looks on a background with the Yxy color 74.0966, 0.4266, 0.4591.

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

74.0966, 0.4266, 0.4591

Protanopia

74.2294, 0.4214, 0.4629

Deuteranopia

74.1928, 0.3768, 0.3815



Tritanopia

73.7288, 0.3364, 0.3170

Trichromacy



Original Color

74.0966, 0.4266, 0.4591

Protanomaly

74.0649, 0.4236, 0.4612

Deuteranomaly

73.7006, 0.3979, 0.4129

Tritanomaly

73.3503, 0.3738, 0.3744

Monochromacy



Original Color

74.0966, 0.4266, 0.4591

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

69.7558, 0.3572, 0.3853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.0966, 0.4266, 0.4591 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, 222, 81)` looks like.

```
.text, #text, p{  
    color:rgb(255, 222, 81)  
}
```

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, 222, 81) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 222, 81) }
```

Border

The CSS property to change the border of an element to Yxy 74.0966, 0.4266, 0.4591 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, 222, 81) }
```

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

```
.border{ border-color:rgb(255, 222, 81) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 222, 81)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 222, 81); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 222, 81);  
box-shadow:4px 4px 4px 4px rgb(255, 222,  
81) }
```


Background

The CSS property to change the background color of an element to Yxy 74.0966, 0.4266, 0.4591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 222, 81) }
```

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

```
.background{ background-color: rgb(255,  
222, 81) }
```

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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