

Converting Colors

Yxy(96.6873, 0.4993, 0.4341)

Have a look what the booklet for
Yxy(96.6873, 0.4993, 0.4341)
contains.

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Color

Yxy(74.7245, 0.4381, 0.4795)

Conversions

Conversions Part 1

Format	Color
Hex	FFE028
RGB	255, 224, 40
RGB Percent	100%, 88%, 16%
CMY	0.0001, 0.1215, 0.8427
CMYK	0.00, 0.12, 0.84, 0.00
HSL	51°, 100%, 58%
HSV	51°, 84%, 100%
XYZ	68.2728, 74.7245, 12.8411
YIQ	212.2930, 77.5400, -50.6520

Conversions

Conversions Part 2

Format	Color
R _Y B	76, 255, 40
Decimal	16769064
CIE Lab	89.26, -5.93, 83.41
CIE LCh	89, 83.621, 94.070
Yxy	74.7245, 0.4381, 0.4795
Android (android.graphics.Color)	4294959144 (0xFFFE028)
YUV	212.2930, -84.9404, 37.4540
Hunter-Lab	86.4433, -10.2969, 51.7029

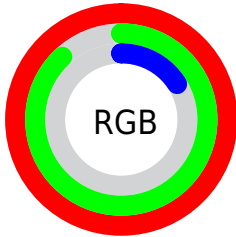
Details

The Yxy color **74.7245, 0.4381, 0.4795** is a light color, and the websafe version is hex **FFCC00**.

The color can be described as light washed yellow. A complement of this color would be **12.1863, 0.1640, 0.0943**, and the grayscale version is **66.5897, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.7999, 0.3965, 0.4675**, and **39.8453, 0.4441, 0.4856** is the 20% darker color. If you saturate the color by 10%, you get **72.6539, 0.4449, 0.4825**, and if you desaturate by 10%, it is **76.9591, 0.4284, 0.4719**.

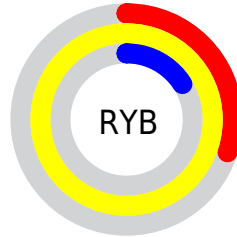
Distribution



Red (100%)

Green (88%)

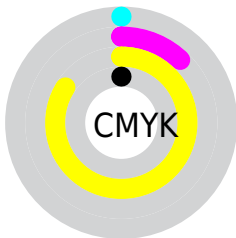
Blue (16%)



Red (30%)

Yellow (100%)

Blue (16%)

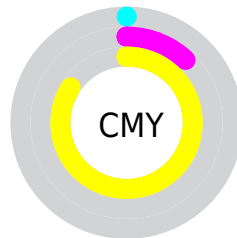


Cyan (0%)

Magenta (12%)

Yellow (84%)

Black (0%)



Cyan (0%)


Magenta (12%)

Yellow (84%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 74.7245, 0.4381, 0.4795 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 74.7245, 0.4381, 0.4795 by changing the saturation by 10% instead.


 74.7245, 0.4381,
0.4795


 74.7245, 0.4381,
0.4795


476.9701, 0.3887,
0.4177

 55.3872, 0.4461,
0.4903


 125.9223, 0.4235,
0.4606


 39.7118, 0.4541,
0.5017


 158.5516, 0.4170,
0.4524


 27.3139, 0.4614,
0.5131


 196.3804, 0.4111,
0.4451

 17.8091, 0.4699,
0.5270

 239.7930, 0.4058,
0.4385

 10.8130, 0.4684,
0.5316

 289.1739, 0.4009,
0.4325

 5.9413, 0.4642,
0.5358

344.9075, 0.3964,

 2.8094, 0.4575,

0.4271

0.5425

407.3781, 0.3924,
0.4222

■ 1.0331, 0.4455,
0.5545

■ 0.0000, 0.0000,
0.0000

■ 74.7245, 0.4381,
0.4795

■ 74.7245, 0.4381,
0.4795

■ 72.6539, 0.4449,
0.4825


■ 76.9591, 0.4284,
0.4719

■ 71.5203, 0.4478,
0.4826


■ 79.3667, 0.4159,
0.4598

■ 81.9670, 0.4013,
0.4437

■ 84.7738, 0.3852,
0.4247

 87.7995, 0.3684,
0.4037

 91.0553, 0.3514,
0.3817

 94.5515, 0.3349,
0.3596

 98.2977, 0.3191,
0.3380

99.9948, 0.3127,
0.3290

Harmonies

Analogous

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



74.7245, 0.4960, 0.4136



74.7245, 0.4381, 0.4795



74.7245, 0.3528, 0.5147

Triad

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



74.7245, 0.4381, 0.4795



74.7245, 0.1543, 0.2669



74.7245, 0.3427, 0.2276

Complementary

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



74.7245, 0.4381, 0.4795



12.1863, 0.1640, 0.0943

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.



74.7245, 0.2479, 0.1942



74.7245, 0.4381, 0.4795



74.7245, 0.1533, 0.2075

Square

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



74.7245, 0.4381, 0.4795



74.7245, 0.1903, 0.3682



74.7245, 0.1839, 0.1861



74.7245, 0.4427, 0.2807

Rectangle

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



74.7245, 0.4381, 0.4795



74.7245, 0.2914, 0.4980



74.7245, 0.1839, 0.1861



74.7245, 0.3086, 0.2139

Sweetspot

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



74.7281, 0.4381, 0.4795



90.8316, 0.3527, 0.3833



23.2520, 0.5770, 0.3107



19.1923, 0.3586, 0.3911



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.



74.7281, 0.4381, 0.4795



71.5375, 0.4478, 0.4826



81.3323, 0.3635, 0.5384



20.6182, 0.3273, 0.3492



37.5506, 0.4473, 0.4831



3.7728, 0.4436, 0.4860

Inverse Universe

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



12.1863, 0.1640, 0.0943



8.5270, 0.1527, 0.0696



12.4090, 0.1935, 0.0926



17.7998, 0.2979, 0.3080



4.5822, 0.1532, 0.0714



0.5667, 0.1577, 0.0878

Previews

White Background



This preview shows how the Yxy color 74.7245, 0.4381, 0.4795 looks on a white background.

Color Contrast Check

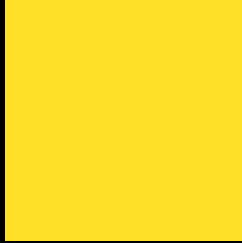
Large Text (above 18pt) WCAG AA × Fail

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 74.7245, 0.4381, 0.4795 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 74.7245, 0.4381, 0.4795

Background



This preview shows how black text looks on a background with the Yxy color 74.7245, 0.4381, 0.4795.



This preview shows how white text looks on a background with the Yxy color 74.7245, 0.4381, 0.4795.

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

74.7245, 0.4381, 0.4795

Protanopia

74.8863, 0.4359, 0.4813

Deuteranopia

74.7131, 0.3765, 0.3824



Tritanopia

74.7894, 0.3354, 0.3180

Trichromacy



Original Color

74.7245, 0.4381, 0.4795

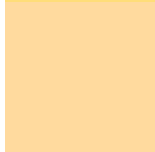
Protanomaly

75.0745, 0.4366, 0.4808



Deuteranomaly

74.3534, 0.4063, 0.4282



Tritanomaly

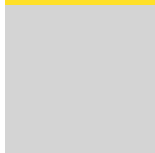
73.8714, 0.3832, 0.3906

Monochromacy



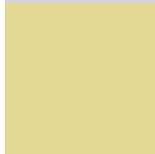
Original Color

74.7245, 0.4381, 0.4795



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

67.7756, 0.3689, 0.4034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.7245, 0.4381, 0.4795 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, 224, 40)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 40)  
}
```

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, 224, 40) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 40) }
```

Border

The CSS property to change the border of an element to Yxy 74.7245, 0.4381, 0.4795 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, 224, 40) }
```

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

```
.border{ border-color:rgb(255, 224, 40) }
```

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

Here you see how a box with a 4 pixel rgb(255, 224, 40) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 40); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 40);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
40) }
```


Background

The CSS property to change the background color of an element to Yxy 74.7245, 0.4381, 0.4795 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 224, 40) }
```

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

```
.background{ background-color: rgb(255,  
224, 40) }
```

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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