

Converting Colors

$Yxy(74.6702, 0.4428, 0.4866)$

Have a look what the booklet for
Yxy(74.6702, 0.4428, 0.4866)
contains.

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Color

Yxy(74.5713, 0.4429, 0.4865)

Conversions

Conversions Part 1

Format	Color
Hex	FFE000
RGB	255, 224, 0
RGB Percent	100%, 88%, 0%
CMY	0.0001, 0.1215, 0.9991
CMYK	0.00, 0.12, 1.00, 0.00
HSL	53°, 100%, 50%
HSV	53°, 100%, 100%
XYZ	67.8882, 74.5713, 10.8217
YIQ	207.7330, 90.3800, -63.0920

Conversions

Conversions Part 2

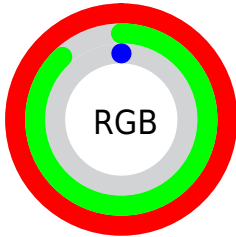
Format	Color
R _Y B	35, 255, 0
Decimal	16769024
CIE Lab	89.19, -6.47, 88.72
CIE LCh	89, 88.959, 94.169
Yxy	74.5713, 0.4429, 0.4865
Android (android.graphics.Color)	4294959104 (0xFFFFE000)
YUV	207.7330, -102.4124, 41.4532
Hunter-Lab	86.3547, -10.7918, 53.0183

Details

The Yxy color **74.5713, 0.4429, 0.4865** is a light color, and the websafe version is hex **FFCC00**. The color can be described as light saturated yellow. A complement of this color would be **8.2096, 0.1521, 0.0673**, and the grayscale version is **63.5451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5182, 0.4024, 0.4773**, and **39.7134, 0.4431, 0.4864** is the 20% darker color. If you saturate the color by 10%, you get **74.5586, 0.4429, 0.4865**, and if you desaturate by 10%, it is **76.3285, 0.4381, 0.4852**.

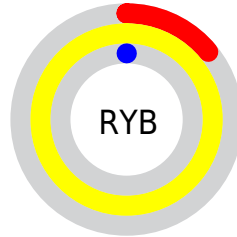
Distribution



Red (100%)

Green (88%)

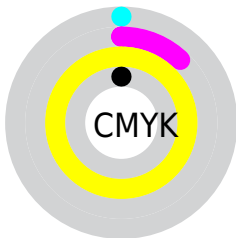
Blue (0%)



Red (14%)

Yellow (100%)

Blue (0%)

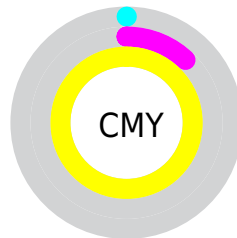


Cyan (0%)

Magenta (12%)

Yellow (100%)

Black (0%)



Cyan (0%)


Magenta (12%)


Yellow (100%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.5713, 0.4429, 0.4865 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 74.5713, 0.4429, 0.4865 by changing the saturation by 10% instead.


 74.5713, 0.4429,
0.4865


 74.5713, 0.4429,
0.4865


476.4428, 0.3929,
0.4231


 55.2618, 0.4505,
0.4971


 125.7053, 0.4285,
0.4675

 39.6113, 0.4577,
0.5079

 158.2986, 0.4221,
0.4592


 27.2356, 0.4638,
0.5184


 196.0886, 0.4161,
0.4516

 17.7503, 0.4699,
0.5301

 239.4597, 0.4106,
0.4448

 10.7708, 0.4667,
0.5333

 288.7962, 0.4056,
0.4386

 5.9130, 0.4621,
0.5379

 344.4827, 0.4010,

 2.7922, 0.4547,

0.4329

0.5453

406.9034, 0.3968,
0.4278

■ 1.0242, 0.4414,
0.5586

■ 0.0000, 0.0000,
0.0000

■ 74.5713, 0.4429,
0.4865

■ 74.5713, 0.4429,
0.4865

■ 74.5586, 0.4429,
0.4865

■ 76.3285, 0.4381,
0.4852

■ 78.2074, 0.4307,
0.4799

■ 80.2402, 0.4205,
0.4701

■ 82.4447, 0.4078,
0.4559

■ 84.8358, 0.3931,
0.4381

■ 87.4266, 0.3771,
0.4177

■ 90.2287, 0.3605,
0.3957

■ 93.2528, 0.3439,
0.3731

■ 96.5089, 0.3278,
0.3506

Harmonies

Analogous

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



74.5713, 0.5054, 0.4157



74.5713, 0.4429, 0.4865



74.5713, 0.3528, 0.5269

Triad

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



74.5713, 0.4429, 0.4865



74.5713, 0.1463, 0.2619



74.5713, 0.3444, 0.2225

Complementary

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



74.5713, 0.4429, 0.4865



8.2096, 0.1521, 0.0673

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.



74.5713, 0.2442, 0.1878



74.5713, 0.4429, 0.4865



74.5713, 0.1457, 0.2005

Square

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



74.5713, 0.4429, 0.4865



74.5713, 0.1829, 0.3698



74.5713, 0.1775, 0.1790



74.5713, 0.4512, 0.2777

Rectangle

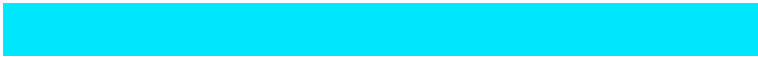
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.5713, 0.4429, 0.4865



74.5713, 0.2884, 0.5103



74.5713, 0.1775, 0.1790



74.5713, 0.3082, 0.2083

Sweetspot

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



74.5749, 0.4429, 0.4865



90.2264, 0.3607, 0.3959



21.3759, 0.6257, 0.3221



19.0537, 0.3677, 0.4053



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.



74.5749, 0.4429, 0.4865



74.5794, 0.4429, 0.4865



79.1367, 0.3553, 0.5561



20.6917, 0.3272, 0.3497



39.1183, 0.4425, 0.4869



3.9103, 0.4395, 0.4893

Inverse Universe

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



8.2096, 0.1521, 0.0673



8.1992, 0.1520, 0.0672



9.5840, 0.1775, 0.0752



17.7332, 0.2979, 0.3074



4.3949, 0.1525, 0.0688



0.5355, 0.1566, 0.0836

Previews

White Background



This preview shows how the Yxy color 74.5713, 0.4429, 0.4865 looks on a white background.

Color Contrast Check

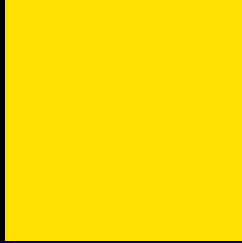
Large Text (above 18pt) WCAG AA × Fail

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 74.5713, 0.4429, 0.4865 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 74.5713, 0.4429, 0.4865

Background



This preview shows how black text looks on a background with the Yxy color 74.5713, 0.4429, 0.4865.



This preview shows how white text looks on a background with the Yxy color 74.5713, 0.4429, 0.4865.

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

74.5713, 0.4429, 0.4865

Protanopia

74.7418, 0.4404, 0.4879

Deuteranopia

74.6762, 0.3772, 0.3834



Tritanopia

74.2303, 0.3362, 0.3180

Trichromacy



Original Color

74.5713, 0.4429, 0.4865

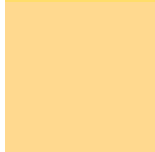
Protanomaly

74.9278, 0.4412, 0.4874



Deuteranomaly

74.0135, 0.4150, 0.4407



Tritanomaly

72.8689, 0.3941, 0.4044

Monochromacy



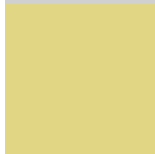
Original Color

74.5713, 0.4429, 0.4865



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

65.7666, 0.3788, 0.4204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.5713, 0.4429, 0.4865 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, 0)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 0)  
}
```

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, 0) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 0) }
```

Border

The CSS property to change the border of an element to Yxy 74.5713, 0.4429, 0.4865 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, 0) }
```

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

```
.border{ border-color:rgb(255, 224, 0) }
```

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, 0)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 0); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 0);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
0) }
```


Background

The CSS property to change the background color of an element to Yxy 74.5713, 0.4429, 0.4865 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, 0) }
```

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

```
.background{ background-color: rgb(255,  
224, 0) }
```

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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