

Converting Colors

$Yxy(74.9083, 0.4366, 0.4778)$

Have a look what the booklet for
Yxy(74.9083, 0.4366, 0.4778)
contains.

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Color

Yxy(74.7686, 0.4368, 0.4775)

Conversions

Conversions Part 1

Format	Color
Hex	FFE02E
RGB	255, 224, 46
RGB Percent	100%, 88%, 18%
CMY	0.0000, 0.1216, 0.8193
CMYK	0.00, 0.12, 0.82, 0.00
HSL	51°, 100%, 59%
HSV	51°, 82%, 100%
XYZ	68.3957, 74.7686, 13.4192
YIQ	212.9770, 75.6140, -48.7860

Conversions

Conversions Part 2

Format	Color
R _Y B	82, 255, 46
Decimal	16769070
CIE Lab	89.28, -5.76, 82.00
CIE LCh	89, 82.197, 94.015
Yxy	74.7686, 0.4368, 0.4775
Android (android.graphics.Color)	4294959150 (0xFFFFE02E)
YUV	212.9770, -82.3197, 36.8542
Hunter-Lab	86.4688, -10.1294, 51.3269

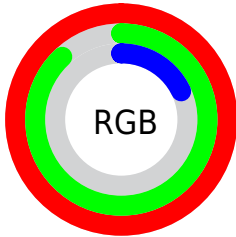
Details

The Yxy color **74.7686, 0.4368, 0.4775** 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 **13.1220, 0.1668, 0.1002**, and the grayscale version is **67.0520, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.8841, 0.3948, 0.4647**, and **39.8453, 0.4441, 0.4856** is the 20% darker color. If you saturate the color by 10%, you get **72.6117, 0.4444, 0.4815**, and if you desaturate by 10%, it is **77.0896, 0.4262, 0.4689**.

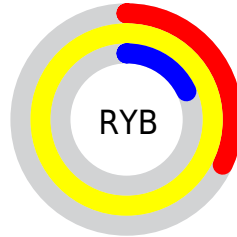
Distribution



Red (100%)

Green (88%)

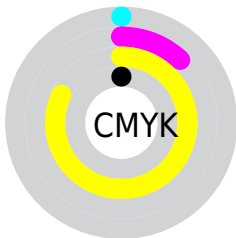
Blue (18%)



Red (32%)

Yellow (100%)

Blue (18%)

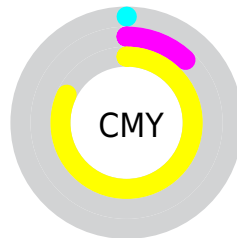


Cyan (0%)

Magenta (12%)

Yellow (82%)

Black (0%)



Cyan (0%)


Magenta (12%)


Yellow (82%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.7686, 0.4368, 0.4775 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 74.7686, 0.4368, 0.4775 by changing the saturation by 10% instead.

 74.7686, 0.4368,
0.4775

 74.7686, 0.4368,
0.4775


477.1218, 0.3876,
0.4162


 55.4233, 0.4449,
0.4883


 125.9848, 0.4221,
0.4586


 39.7408, 0.4531,
0.4998


 158.6244, 0.4157,
0.4506


 27.3365, 0.4607,
0.5115


 196.4644, 0.4098,
0.4433

 17.8261, 0.4689,
0.5249

 239.8890, 0.4045,
0.4367

 10.8252, 0.4690,
0.5310

 289.2826, 0.3997,
0.4308

 5.9494, 0.4649,
0.5351

345.0297, 0.3952,

 2.8143, 0.4585,

0.4255

0.5415

407.5147, 0.3912,
0.4207

■ 1.0356, 0.4468,
0.5532

■ 0.0000, 0.0000,
0.0000

■ 74.7686, 0.4368,
0.4775

■ 74.7686, 0.4368,
0.4775

■ 72.6117, 0.4444,
0.4815

■ 77.0896, 0.4262,
0.4689

■ 70.9685, 0.4488,
0.4819

■ 79.5940, 0.4131,
0.4558

■ 82.2971, 0.3980,
0.4390

■ 85.2123, 0.3815,
0.4195

88.3519, 0.3645,
0.3983

91.7268, 0.3476,
0.3763

95.3471, 0.3311,
0.3543

99.2224, 0.3156,
0.3330

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.



74.7686, 0.4934, 0.4128



74.7686, 0.4368, 0.4775



74.7686, 0.3528, 0.5114

Triad

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



74.7686, 0.4368, 0.4775



74.7686, 0.1565, 0.2683



74.7686, 0.3421, 0.2289

Complementary

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



74.7686, 0.4368, 0.4775



13.1220, 0.1668, 0.1002

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.



74.7686, 0.2488, 0.1960



74.7686, 0.4368, 0.4775



74.7686, 0.1553, 0.2094

Square

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



74.7686, 0.4368, 0.4775



74.7686, 0.1923, 0.3679



74.7686, 0.1856, 0.1880



74.7686, 0.4403, 0.2815

Rectangle

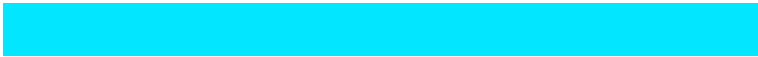
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



74.7686, 0.4368, 0.4775



74.7686, 0.2923, 0.4947



74.7686, 0.1856, 0.1880



74.7686, 0.3086, 0.2154

Sweetspot

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



74.7684, 0.4368, 0.4775



90.6647, 0.3527, 0.3831



23.7621, 0.5679, 0.3097



19.1519, 0.3587, 0.3908



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.



74.7684, 0.4368, 0.4775



71.3711, 0.4477, 0.4819



81.6482, 0.3638, 0.5351



20.6042, 0.3273, 0.3491



37.2572, 0.4482, 0.4823



3.7470, 0.4444, 0.4853

Inverse Universe

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



13.1220, 0.1668, 0.1002



8.9218, 0.1538, 0.0724



13.1166, 0.1968, 0.0968



17.8126, 0.2979, 0.3081



4.6212, 0.1533, 0.0719



0.5727, 0.1580, 0.0886

Previews

White Background



This preview shows how the Yxy color 74.7686, 0.4368, 0.4775 looks on a white background.

Color Contrast Check

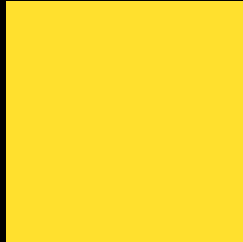
Large Text (above 18pt) WCAG AA × Fail

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 74.7686, 0.4368, 0.4775 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 74.7686, 0.4368, 0.4775

Background



This preview shows how black text looks on a background with the Yxy color 74.7686, 0.4368, 0.4775.



This preview shows how white text looks on a background with the Yxy color 74.7686, 0.4368, 0.4775.

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

74.7686, 0.4368, 0.4775

Protanopia

74.7431, 0.4338, 0.4799

Deuteranopia

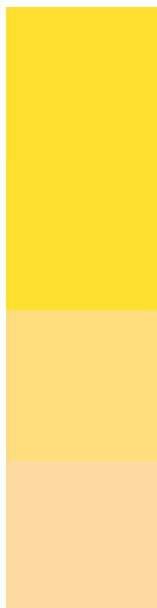
74.7502, 0.3757, 0.3814



Tritanopia

74.7894, 0.3354, 0.3180

Trichromacy



Original Color

74.7686, 0.4368, 0.4775

Protanomaly

74.9303, 0.4345, 0.4793

Deuteranomaly

74.4281, 0.4045, 0.4256

Tritanomaly

73.9409, 0.3818, 0.3886

Monochromacy



Original Color

74.7686, 0.4368, 0.4775

Achromatopsia

66.5387, 0.3127, 0.3290

Achromatomaly

68.3867, 0.3665, 0.4012

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.7686, 0.4368, 0.4775 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, 46)` looks like.

```
.text, #text, p{  
    color:rgb(255, 224, 46)  
}
```

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, 46) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 224, 46) }
```

Border

The CSS property to change the border of an element to Yxy 74.7686, 0.4368, 0.4775 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, 46) }
```

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

```
.border{ border-color:rgb(255, 224, 46) }
```

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, 46) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 224, 46); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 224, 46);  
box-shadow:4px 4px 4px 4px rgb(255, 224,  
46) }
```


Background

The CSS property to change the background color of an element to Yxy 74.7686, 0.4368, 0.4775 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, 46) }
```

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

```
.background{ background-color: rgb(255,  
224, 46) }
```

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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