

Converting Colors

$Y_{xy}(74.3628, 0.4273, 0.4622)$

Have a look what the booklet for
Yxy(74.3628, 0.4273, 0.4622)
contains.

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Color

Yxy(74.5712, 0.4275, 0.4623)

Conversions

Conversions Part 1

Format	Color
Hex	FFDF4D
RGB	255, 223, 77
RGB Percent	100%, 87%, 30%
CMY	0.0001, 0.1254, 0.6981
CMYK	0.00, 0.13, 0.70, 0.00
HSL	49°, 100%, 65%
HSV	49°, 70%, 100%
XYZ	68.9578, 74.5712, 17.7758
YIQ	215.9240, 65.9380, -38.6220

Conversions

Conversions Part 2

Format	Color
RYB	116, 255, 77
Decimal	16768845
CIELab	89.19, -4.13, 72.06
CIElCh	89, 72.175, 93.282
Yxy	74.5712, 0.4275, 0.4623
Android (android.graphics.Color)	4294958925 (0xFFFFDF4D)
YUV	215.9240, -68.4895, 34.2697
Hunter-Lab	86.3546, -8.5808, 48.2436

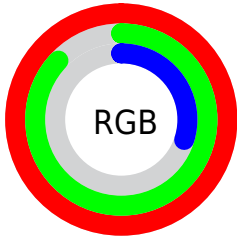
Details

The Yxy color **74.5712, 0.4275, 0.4623** is a light color, and the websafe version is hex **FFCC33**.

The color can be described as light washed yellow. A complement of this color would be **19.7168, 0.1854, 0.1376**, and the grayscale version is **69.0554, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.4735, 0.3834, 0.4459**, and **39.4746, 0.4452, 0.4847** is the 20% darker color. If you saturate the color by 10%, you get **71.8696, 0.4397, 0.4715**, and if you desaturate by 10%, it is **77.4871, 0.4128, 0.4488**.

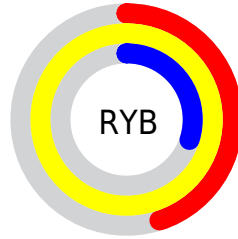
Distribution



Red (100%)

Green (87%)

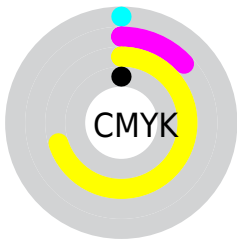
Blue (30%)



Red (45%)

Yellow (100%)

Blue (30%)

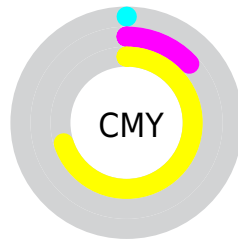


Cyan (0%)

Magenta (13%)

Yellow (70%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (70%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.5712, 0.4275, 0.4623 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 74.5712, 0.4275, 0.4623 by changing the saturation by 10% instead.


 74.5712, 0.4275,
0.4623


 74.5712, 0.4275,
0.4623


476.4424, 0.3799,
0.4057


 55.2617, 0.4361,
0.4730

 125.7052, 0.4127,
0.4443

 39.6113, 0.4454,
0.4848

 158.2984, 0.4064,
0.4368


 27.2356, 0.4550,
0.4975


 196.0884, 0.4008,
0.4301

 17.7502, 0.4640,
0.5104

 239.4594, 0.3957,
0.4241

 10.7708, 0.4742,
0.5258

 288.7960, 0.3911,
0.4188

 5.9129, 0.4713,
0.5287

344.4824, 0.3870,

 2.7922, 0.4666,

0.4140

0.5334

406.9031, 0.3833,
0.4096

■ 1.0242, 0.4583,
0.5417

■ 0.0000, 0.0000,
0.0000

■ 74.5712, 0.4275,
0.4623

■ 74.5712, 0.4275,
0.4623

■ 71.8696, 0.4397,
0.4715

■ 77.4871, 0.4128,
0.4488

■ 69.3535, 0.4491,
0.4760

■ 80.6218, 0.3965,
0.4318

■ 66.9978, 0.4557,
0.4763

■ 83.9922, 0.3791,
0.4123

■ 66.9535, 0.4558,
0.4763

■ 87.6105, 0.3615,
0.3915

■ 91.4876, 0.3443,
0.3701

■ 95.6337, 0.3278,
0.3490

99.9938, 0.3127,
0.3290

Harmonies

Analogous

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



74.5712, 0.4752, 0.4063



74.5712, 0.4275, 0.4623



74.5712, 0.3531, 0.4887

Triad

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



74.5712, 0.4275, 0.4623



74.5712, 0.1726, 0.2787



74.5712, 0.3372, 0.2381

Complementary

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



74.5712, 0.4275, 0.4623



19.7168, 0.1854, 0.1376

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.



74.5712, 0.2546, 0.2084



74.5712, 0.4275, 0.4623



74.5712, 0.1701, 0.2236

Square

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



74.5712, 0.4275, 0.4623



74.5712, 0.2071, 0.3662



74.5712, 0.1974, 0.2021



74.5712, 0.4232, 0.2861

Rectangle

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



74.5712, 0.4275, 0.4623



74.5712, 0.2987, 0.4733



74.5712, 0.1974, 0.2021



74.5712, 0.3077, 0.2258

Sweetspot

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



74.5748, 0.4275, 0.4623



91.0380, 0.3463, 0.3727



27.6761, 0.5080, 0.3012



19.2529, 0.3510, 0.3786



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.



74.5748, 0.4275, 0.4623



70.8135, 0.4440, 0.4740



84.1227, 0.3675, 0.5107



20.5034, 0.3274, 0.3484



35.1960, 0.4551, 0.4768



3.5651, 0.4503, 0.4807

Inverse Universe

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



19.7168, 0.1854, 0.1376



13.3152, 0.1660, 0.1016



17.5373, 0.2108, 0.1215



17.9049, 0.2979, 0.3089



4.9356, 0.1545, 0.0762



0.6170, 0.1596, 0.0944

Previews

White Background



This preview shows how the Yxy color 74.5712, 0.4275, 0.4623 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 74.5712, 0.4275, 0.4623 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 74.5712, 0.4275, 0.4623

Background



This preview shows how black text looks on a background with the Yxy color 74.5712, 0.4275, 0.4623.



This preview shows how white text looks on a background with the Yxy color 74.5712, 0.4275, 0.4623.

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

74.5712, 0.4275, 0.4623

Protanopia

74.8955, 0.4231, 0.4657

Deuteranopia

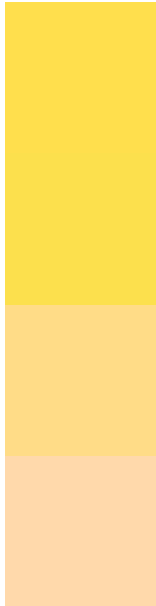
74.2300, 0.3761, 0.3804



Tritanopia

74.2847, 0.3355, 0.3170

Trichromacy



Original Color

74.5712, 0.4275, 0.4623

Protanomaly

74.5426, 0.4245, 0.4644

Deuteranomaly

74.1957, 0.3980, 0.4148

Tritanomaly

73.8260, 0.3742, 0.3764

Monochromacy



Original Color

74.5712, 0.4275, 0.4623

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

70.2026, 0.3584, 0.3885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.5712, 0.4275, 0.4623 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, 223, 77)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 77)  
}
```

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, 223, 77) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 77) }
```

Border

The CSS property to change the border of an element to Yxy 74.5712, 0.4275, 0.4623 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, 223, 77) }
```

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

```
.border{ border-color:rgb(255, 223, 77) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 223, 77)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 77); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 77);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
77) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 74.5712, 0.4275, 0.4623$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 223, 77) }
```

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

```
.background{ background-color: rgb(255,  
223, 77) }
```

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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