

Converting Colors

$Yxy(74.5614, 0.4264, 0.4604)$

Have a look what the booklet for
Yxy(74.5614, 0.4264, 0.4604)
contains.

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Color

Yxy(74.6145, 0.4263, 0.4605)

Conversions

Conversions Part 1

Format	Color
Hex	FFDF50
RGB	255, 223, 80
RGB Percent	100%, 87%, 31%
CMY	0.0000, 0.1255, 0.6864
CMYK	0.00, 0.13, 0.69, 0.00
HSL	49°, 100%, 66%
HSV	49°, 69%, 100%
XYZ	69.0731, 74.6145, 18.3417
YIQ	216.2660, 64.9750, -37.6890

Conversions

Conversions Part 2

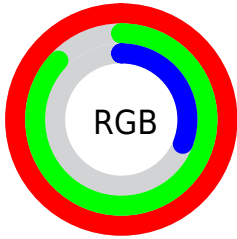
Format	Color
R _Y B	119, 255, 80
Decimal	16768848
CIE Lab	89.21, -3.97, 70.94
CIE LCh	89, 71.055, 93.202
Yxy	74.6145, 0.4263, 0.4605
Android (android.graphics.Color)	4294958928 (0xFFFFDF50)
YUV	216.2660, -67.1791, 33.9697
Hunter-Lab	86.3797, -8.4278, 47.8762

Details

The Yxy color **74.6145, 0.4263, 0.4605** 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 **20.4990, 0.1875, 0.1416**, and the grayscale version is **69.2931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.5576, 0.3819, 0.4434**, and **39.6249, 0.4451, 0.4825** is the 20% darker color. If you saturate the color by 10%, you get **71.8542, 0.4390, 0.4702**, and if you desaturate by 10%, it is **77.5934, 0.4113, 0.4466**.

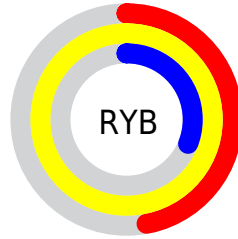
Distribution



Red (100%)

Green (87%)

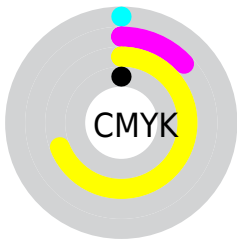
Blue (31%)



Red (47%)

Yellow (100%)

Blue (31%)

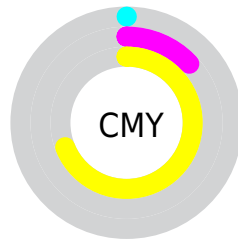


Cyan (0%)

Magenta (13%)

Yellow (69%)

Black (0%)



Cyan (0%)


Magenta (13%)


Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.6145, 0.4263, 0.4605 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 74.6145, 0.4263, 0.4605 by changing the saturation by 10% instead.


 74.6145, 0.4263,
0.4605


 74.6145, 0.4263,
0.4605

476.5915, 0.3790,
0.4045


 55.2971, 0.4349,
0.4711


 125.7665, 0.4115,
0.4426


 39.6397, 0.4443,
0.4830

 158.3700, 0.4053,
0.4352

 27.2577, 0.4541,
0.4957


 196.1709, 0.3997,
0.4286

 17.7669, 0.4634,
0.5088

 239.5537, 0.3946,
0.4227

 10.7827, 0.4747,
0.5253

 288.9027, 0.3901,
0.4174

 5.9209, 0.4719,
0.5281

344.6025, 0.3861,

 2.7971, 0.4675,

0.4127

0.5325

407.0373, 0.3824,
0.4084

■ 1.0267, 0.4595,
0.5405

■ 0.0000, 0.0000,
0.0000

■ 74.6145, 0.4263,
0.4605

■ 74.6145, 0.4263,
0.4605

■ 71.8542, 0.4390,
0.4702

■ 77.5934, 0.4113,
0.4466

■ 69.2840, 0.4488,
0.4752

■ 80.7951, 0.3947,
0.4293

■ 66.8826, 0.4557,
0.4758

■ 84.2366, 0.3772,
0.4097

■ 66.5654, 0.4566,
0.4757

■ 87.9297, 0.3596,
0.3888

■ 91.8853, 0.3424,
0.3675

■ 96.1137, 0.3260,
0.3465

99.9991, 0.3127,
0.3290

Harmonies

Analogous

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



74.6145, 0.4730, 0.4055



74.6145, 0.4263, 0.4605



74.6145, 0.3530, 0.4861

Triad

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



74.6145, 0.4263, 0.4605



74.6145, 0.1745, 0.2798



74.6145, 0.3367, 0.2392

Complementary

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



74.6145, 0.4263, 0.4605



20.4990, 0.1875, 0.1416

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.



74.6145, 0.2553, 0.2098



74.6145, 0.4263, 0.4605



74.6145, 0.1718, 0.2252

Square

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



74.6145, 0.4263, 0.4605



74.6145, 0.2088, 0.3660



74.6145, 0.1988, 0.2038



74.6145, 0.4213, 0.2866

Rectangle

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



74.6145, 0.4263, 0.4605



74.6145, 0.2993, 0.4708



74.6145, 0.1988, 0.2038



74.6145, 0.3077, 0.2271

Sweetspot

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



74.6181, 0.4263, 0.4605



90.9329, 0.3464, 0.3725



28.1610, 0.5030, 0.3012



19.2276, 0.3511, 0.3784



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.



74.6181, 0.4263, 0.4605



70.9740, 0.4426, 0.4724



84.3152, 0.3672, 0.5083



20.4929, 0.3274, 0.3483



34.9872, 0.4558, 0.4763



3.5466, 0.4509, 0.4802

Inverse Universe

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



20.4990, 0.1875, 0.1416



14.1563, 0.1685, 0.1067



18.1337, 0.2127, 0.1246



17.9145, 0.2979, 0.3090



4.9716, 0.1546, 0.0766



0.6218, 0.1597, 0.0950

Previews

White Background



This preview shows how the Yxy color 74.6145, 0.4263, 0.4605 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 74.6145, 0.4263, 0.4605 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 74.6145, 0.4263, 0.4605

Background



This preview shows how black text looks on a background with the Yxy color 74.6145, 0.4263, 0.4605.

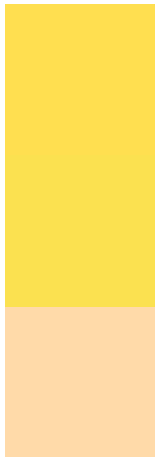


This preview shows how white text looks on a background with the Yxy color 74.6145, 0.4263, 0.4605.

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

74.6145, 0.4263, 0.4605

Protanopia

74.9388, 0.4219, 0.4639

Deuteranopia

74.2674, 0.3754, 0.3794



Tritanopia

74.2847, 0.3355, 0.3170

Trichromacy



Original Color

74.6145, 0.4263, 0.4605

Protanomaly

74.5859, 0.4233, 0.4626

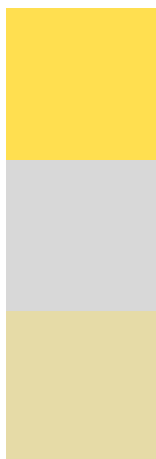
Deuteranomaly

74.2525, 0.3967, 0.4129

Tritanomaly

73.8643, 0.3735, 0.3754

Monochromacy



Original Color

74.6145, 0.4263, 0.4605

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

70.2761, 0.3570, 0.3863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.6145, 0.4263, 0.4605 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, 80)` looks like.

```
.text, #text, p{  
    color:rgb(255, 223, 80)  
}
```

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, 80) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 223, 80) }
```

Border

The CSS property to change the border of an element to Yxy 74.6145, 0.4263, 0.4605 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, 80) }
```

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

```
.border{ border-color:rgb(255, 223, 80) }
```

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, 80)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 223, 80); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 223, 80);  
box-shadow:4px 4px 4px 4px rgb(255, 223,  
80) }
```


Background

The CSS property to change the background color of an element to Yxy 74.6145, 0.4263, 0.4605 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, 80) }
```

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

```
.background{ background-color: rgb(255,  
223, 80) }
```

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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