

Converting Colors

$Yxy(76.8170, 0.4327, 0.4783)$

Have a look what the booklet for
Yxy(76.8170, 0.4327, 0.4783)
contains.

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Color

Yxy(76.9858, 0.4325, 0.4785)

Conversions

Conversions Part 1

Format	Color
Hex	FFE433
RGB	255, 228, 51
RGB Percent	100%, 89%, 20%
CMY	0.0000, 0.1059, 0.8001
CMYK	0.00, 0.11, 0.80, 0.00
HSL	52°, 100%, 60%
HSV	52°, 80%, 100%
XYZ	69.5849, 76.9858, 14.3192
YIQ	215.8950, 72.9090, -49.3230

Conversions

Conversions Part 2

Format	Color
R _Y B	82, 255, 51
Decimal	16770099
CIE Lab	90.32, -7.62, 81.60
CIE LCh	90, 81.950, 95.332
Yxy	76.9858, 0.4325, 0.4785
Android (android.graphics.Color)	4294960179 (0xFFFFE433)
YUV	215.8950, -81.2932, 34.2951
Hunter-Lab	87.7416, -11.9854, 51.7431

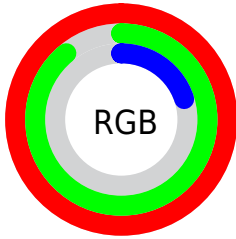
Details

The Yxy color **76.9858, 0.4325, 0.4785** 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 **13.3664, 0.1683, 0.1016**, and the grayscale version is **69.1186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9723, 0.3930, 0.4618**, and **41.3565, 0.4398, 0.4890** is the 20% darker color. If you saturate the color by 10%, you get **74.9814, 0.4402, 0.4836**, and if you desaturate by 10%, it is **79.1507, 0.4220, 0.4688**.

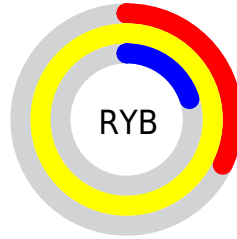
Distribution



Red (100%)

Green (89%)

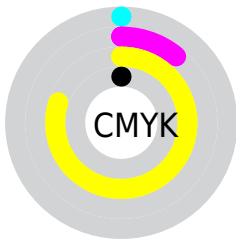
Blue (20%)



Red (32%)

Yellow (100%)

Blue (20%)

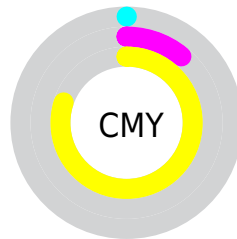


Cyan (0%)

Magenta (11%)

Yellow (80%)

Black (0%)



Cyan (0%)

Magenta (11%)


Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9858, 0.4325, 0.4785 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 76.9858, 0.4325, 0.4785 by changing the saturation by 10% instead.


 76.9858, 0.4325,
0.4785

 76.9858, 0.4325,
0.4785


484.7156, 0.3853,
0.4165

 57.2412, 0.4402,
0.4896

 129.1194, 0.4185,
0.4593


 41.1989, 0.4481,
0.5016


 162.2773, 0.4123,
0.4511

 28.4746, 0.4554,
0.5140


 200.6750, 0.4067,
0.4437

 18.6837, 0.4623,
0.5275

 244.6970, 0.4015,
0.4371

 11.4420, 0.4635,
0.5365

 294.7277, 0.3969,
0.4312

 6.3649, 0.4582,
0.5418

351.1514, 0.3927,

 3.0682, 0.4501,

0.4258

0.5499

414.3526, 0.3888,
0.4209

■ 1.1675, 0.4355,
0.5645

■ 0.0349, 0.0000,
1.0000

■ 76.9858, 0.4325,
0.4785

■ 76.9858, 0.4325,
0.4785

■ 74.9814, 0.4402,
0.4836

■ 79.1507, 0.4220,
0.4688

■ 73.1091, 0.4453,
0.4847

■ 81.4922, 0.4089,
0.4548

■ 84.0259, 0.3939,
0.4372

■ 86.7648, 0.3777,
0.4170

■ 89.7209, 0.3609,
0.3952

■ 92.9047, 0.3442,
0.3728

■ 96.3262, 0.3280,
0.3506

99.9947, 0.3127,
0.3290

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.



76.9858, 0.4900, 0.4154



76.9858, 0.4325, 0.4785



76.9858, 0.3488, 0.5091

Triad

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



76.9858, 0.4325, 0.4785



76.9858, 0.1574, 0.2658



76.9858, 0.3463, 0.2319

Complementary

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



76.9858, 0.4325, 0.4785



13.3664, 0.1683, 0.1016

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.



76.9858, 0.2531, 0.1982



76.9858, 0.4325, 0.4785



76.9858, 0.1575, 0.2092

Square

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



76.9858, 0.4325, 0.4785



76.9858, 0.1914, 0.3626



76.9858, 0.1890, 0.1892



76.9858, 0.4424, 0.2847

Rectangle

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



76.9858, 0.4325, 0.4785



76.9858, 0.2889, 0.4899



76.9858, 0.1890, 0.1892



76.9858, 0.3130, 0.2182

Sweetspot

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



76.9864, 0.4325, 0.4785



91.6076, 0.3508, 0.3818



24.1771, 0.5646, 0.3116



19.3664, 0.3568, 0.3897



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.



76.9864, 0.4325, 0.4785



73.8482, 0.4434, 0.4845



81.4845, 0.3618, 0.5338



20.6565, 0.3272, 0.3494



38.3607, 0.4448, 0.4851



3.8440, 0.4414, 0.4877

Inverse Universe

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



13.3664, 0.1683, 0.1016



8.9841, 0.1543, 0.0728



14.0033, 0.2020, 0.1017



17.7651, 0.2979, 0.3077



4.4811, 0.1528, 0.0700



0.5504, 0.1571, 0.0857

Previews

White Background



This preview shows how the Yxy color 76.9858, 0.4325, 0.4785 looks on a white background.

Color Contrast Check

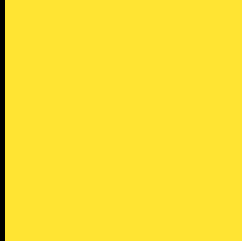
Large Text (above 18pt) WCAG AA × Fail

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 76.9858, 0.4325, 0.4785 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 76.9858, 0.4325, 0.4785

Background



This preview shows how black text looks on a background with the Yxy color 76.9858, 0.4325, 0.4785.

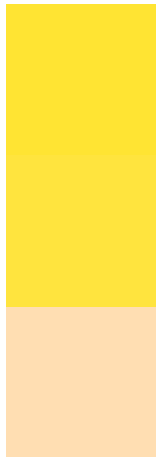


This preview shows how white text looks on a background with the Yxy color 76.9858, 0.4325, 0.4785.

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

76.9858, 0.4325, 0.4785

Protanopia

77.0946, 0.4293, 0.4738

Deuteranopia

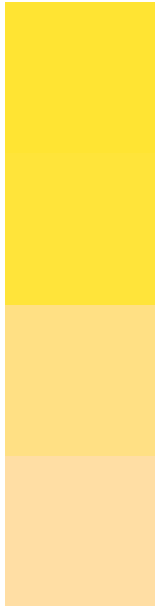
76.7169, 0.3677, 0.3741



Tritanopia

77.0042, 0.3328, 0.3191

Trichromacy



Original Color

76.9858, 0.4325, 0.4785

Protanomaly

77.0523, 0.4305, 0.4756

Deuteranomaly

76.2373, 0.3980, 0.4211

Tritanomaly

76.1829, 0.3775, 0.3884

Monochromacy



Original Color

76.9858, 0.4325, 0.4785

Achromatopsia

68.6685, 0.3127, 0.3290

Achromatomaly

70.4097, 0.3643, 0.3994

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.9858, 0.4325, 0.4785 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, 228, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 51)  
}
```

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, 228, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 51) }
```

Border

The CSS property to change the border of an element to Yxy 76.9858, 0.4325, 0.4785 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, 228, 51) }
```

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

```
.border{ border-color:rgb(255, 228, 51) }
```

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

Here you see how a box with a 4 pixel rgb(255, 228, 51) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9858, 0.4325, 0.4785 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 228, 51) }
```

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

```
.background{ background-color: rgb(255,  
228, 51) }
```

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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