

Converting Colors

$Y_{xy}(77.0102, 0.4328, 0.4791)$

Have a look what the booklet for
Yxy(77.0102, 0.4328, 0.4791)
contains.

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Color

Yxy(76.9771, 0.4327, 0.4789)

Conversions

Conversions Part 1

Format	Color
Hex	FFE432
RGB	255, 228, 50
RGB Percent	100%, 89%, 20%
CMY	0.0001, 0.1058, 0.8039
CMYK	0.00, 0.11, 0.80, 0.00
HSL	52°, 100%, 60%
HSV	52°, 80%, 100%
XYZ	69.5510, 76.9771, 14.2092
YIQ	215.7810, 73.2300, -49.6340

Conversions

Conversions Part 2

Format	Color
R _Y B	81, 255, 50
Decimal	16770098
CIE Lab	90.31, -7.67, 81.85
CIE LCh	90, 82.208, 95.354
Yxy	76.9771, 0.4327, 0.4789
Android (android.graphics.Color)	4294960178 (0xFFFFE432)
YUV	215.7810, -81.7300, 34.3951
Hunter-Lab	87.7366, -12.0375, 51.8134

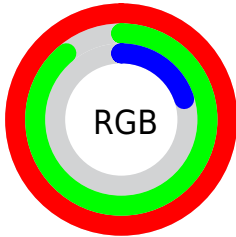
Details

The Yxy color **76.9771, 0.4327, 0.4789** 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 **13.1976, 0.1678, 0.1006**, and the grayscale version is **69.0425, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9499, 0.3935, 0.4625**, and **41.3565, 0.4398, 0.4890** is the 20% darker color. If you saturate the color by 10%, you get **74.9914, 0.4402, 0.4838**, and if you desaturate by 10%, it is **79.1282, 0.4223, 0.4693**.

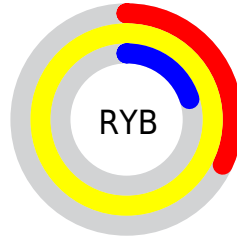
Distribution



Red (100%)

Green (89%)

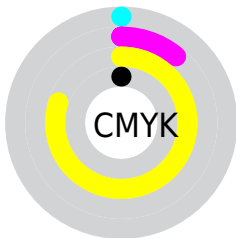
Blue (20%)



Red (32%)

Yellow (100%)

Blue (20%)

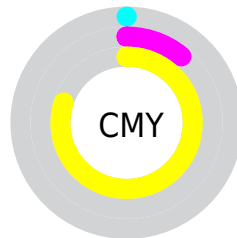


Cyan (0%)

Magenta (11%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (11%)

Yellow (80%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.9771, 0.4327, 0.4789 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 76.9771, 0.4327, 0.4789 by changing the saturation by 10% instead.


 76.9771, 0.4327,
0.4789


 76.9771, 0.4327,
0.4789


484.6859, 0.3855,
0.4168

 57.2341, 0.4404,
0.4900


 129.1072, 0.4187,
0.4596


 41.1932, 0.4482,
0.5020


 162.2630, 0.4125,
0.4514


 28.4701, 0.4554,
0.5143


 200.6585, 0.4069,
0.4441

 18.6803, 0.4624,
0.5279

 244.6782, 0.4017,
0.4375

 11.4395, 0.4633,
0.5367

 294.7064, 0.3971,
0.4315

 6.3633, 0.4580,
0.5420

351.1275, 0.3929,

 3.0672, 0.4498,

0.4261

0.5502

414.3259, 0.3890,
0.4212

■ 1.1669, 0.4351,
0.5649

■ 0.0344, 0.0000,
1.0000

■ 76.9771, 0.4327,
0.4789

■ 76.9771, 0.4327,
0.4789

■ 74.9914, 0.4402,
0.4838

■ 79.1282, 0.4223,
0.4693

■ 73.2009, 0.4451,
0.4848

■ 81.4517, 0.4094,
0.4555

■ 83.9664, 0.3945,
0.4380

■ 86.6854, 0.3783,
0.4178

■ 89.6205, 0.3615,
0.3961

■ 92.7824, 0.3448,
0.3737

■ 96.1812, 0.3286,
0.3514

99.8262, 0.3133,
0.3298

99.9943, 0.3127,
0.3290

Harmonies

Analogous

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



76.9771, 0.4904, 0.4155



76.9771, 0.4327, 0.4789



76.9771, 0.3487, 0.5097

Triad

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



76.9771, 0.4327, 0.4789



76.9771, 0.1570, 0.2655



76.9771, 0.3464, 0.2317

Complementary

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



76.9771, 0.4327, 0.4789



13.1976, 0.1678, 0.1006

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.



76.9771, 0.2530, 0.1979



76.9771, 0.4327, 0.4789



76.9771, 0.1572, 0.2088

Square

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



76.9771, 0.4327, 0.4789



76.9771, 0.1910, 0.3626



76.9771, 0.1887, 0.1889



76.9771, 0.4429, 0.2846

Rectangle

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



76.9771, 0.4327, 0.4789



76.9771, 0.2887, 0.4904



76.9771, 0.1887, 0.1889



76.9771, 0.3131, 0.2179

Sweetspot

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



76.9808, 0.4327, 0.4789



91.6384, 0.3508, 0.3818



24.0761, 0.5662, 0.3118



19.3739, 0.3568, 0.3898



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.



76.9808, 0.4327, 0.4789



73.9559, 0.4432, 0.4847



81.4122, 0.3617, 0.5344



20.6592, 0.3272, 0.3495



38.4180, 0.4446, 0.4852



3.8490, 0.4413, 0.4878

Inverse Universe

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



13.1976, 0.1678, 0.1006



8.9696, 0.1542, 0.0727



13.8711, 0.2014, 0.1010



17.7627, 0.2979, 0.3077



4.4743, 0.1528, 0.0699



0.5493, 0.1571, 0.0855

Previews

White Background



This preview shows how the Yxy color 76.9771, 0.4327, 0.4789 looks on a white background.

Color Contrast Check

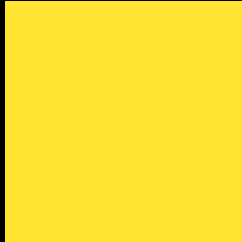
Large Text (above 18pt) WCAG AA × Fail

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 76.9771, 0.4327, 0.4789 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 76.9771, 0.4327, 0.4789

Background



This preview shows how black text looks on a background with the Yxy color 76.9771, 0.4327, 0.4789.



This preview shows how white text looks on a background with the Yxy color 76.9771, 0.4327, 0.4789.

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

76.9771, 0.4327, 0.4789

Protanopia

77.0946, 0.4293, 0.4738

Deuteranopia

76.7169, 0.3677, 0.3741



Tritanopia

77.0042, 0.3328, 0.3191

Trichromacy



Original Color

76.9771, 0.4327, 0.4789

Protanomaly

77.0523, 0.4305, 0.4756



Deuteranomaly

76.2100, 0.3986, 0.4220



Tritanomaly

76.1469, 0.3782, 0.3894

Monochromacy



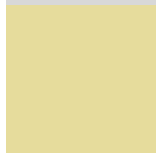
Original Color

76.9771, 0.4327, 0.4789



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 76.9771, 0.4327, 0.4789 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, 50)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 50)  
}
```

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, 50) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 50) }
```

Border

The CSS property to change the border of an element to Yxy 76.9771, 0.4327, 0.4789 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, 50) }
```

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

```
.border{ border-color:rgb(255, 228, 50) }
```

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, 50)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 228, 50); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 228, 50);  
box-shadow:4px 4px 4px 4px rgb(255, 228,  
50) }
```


Background

The CSS property to change the background color of an element to Yxy 76.9771, 0.4327, 0.4789 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, 50) }
```

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

```
.background{ background-color: rgb(255,  
228, 50) }
```

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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