

Converting Colors

$Yxy(76.1313, 0.4337, 0.4774)$

Have a look what the booklet for
Yxy(76.1313, 0.4337, 0.4774)
contains.

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Color

Yxy(75.8917, 0.4340, 0.4771)

Conversions

Conversions Part 1

Format	Color
Hex	FFE233
RGB	255, 226, 51
RGB Percent	100%, 89%, 20%
CMY	0.0000, 0.1137, 0.8000
CMYK	0.00, 0.11, 0.80, 0.00
HSL	51°, 100%, 60%
HSV	51°, 80%, 100%
XYZ	69.0358, 75.8917, 14.1412
YIQ	214.7210, 73.4590, -48.2770

Conversions

Conversions Part 2

Format	Color
R _Y B	85, 255, 51
Decimal	16769587
CIE Lab	89.81, -6.62, 81.15
CIE LCh	90, 81.416, 94.666
Yxy	75.8917, 0.4340, 0.4771
Android (android.graphics.Color)	4294959667 (0xFFFFE233)
YUV	214.7210, -80.7145, 35.3247
Hunter-Lab	87.1158, -10.9986, 51.3568

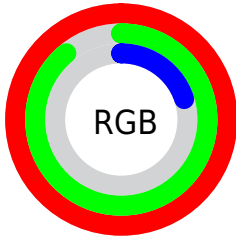
Details

The Yxy color **75.8917, 0.4340, 0.4771** 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 **13.6608, 0.1688, 0.1035**, and the grayscale version is **68.2770, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.9723, 0.3930, 0.4618**, and **40.5952, 0.4419, 0.4873** is the 20% darker color. If you saturate the color by 10%, you get **73.7769, 0.4420, 0.4821**, and if you desaturate by 10%, it is **78.1760, 0.4231, 0.4675**.

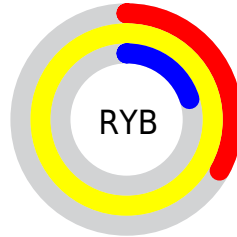
Distribution



Red (100%)

Green (89%)

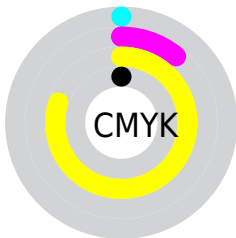
Blue (20%)



Red (33%)

Yellow (100%)

Blue (20%)

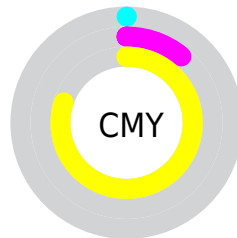


Cyan (0%)

Magenta (11%)

Yellow (80%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (80%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 75.8917, 0.4340, 0.4771 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 75.8917, 0.4340, 0.4771 by changing the saturation by 10% instead.


 75.8917, 0.4340,
0.4771

 75.8917, 0.4340,
0.4771


480.9769, 0.3859,
0.4157

 56.3437, 0.4419,
0.4881


 127.5738, 0.4196,
0.4581


 40.4786, 0.4500,
0.4999


 160.4767, 0.4133,
0.4500


 27.9119, 0.4576,
0.5120


 198.6000, 0.4076,
0.4427

 18.2592, 0.4651,
0.5253

 242.3282, 0.4024,
0.4361

 11.1363, 0.4664,
0.5336

 292.0456, 0.3977,
0.4303

 6.1586, 0.4618,
0.5382

348.1365, 0.3934,

 2.9417, 0.4545,

0.4249

410.9855, 0.3895,
0.4201

0.5455

■ 1.1014, 0.4415,
0.5585

■ 0.0000, 0.0000,
0.0000

■ 75.8917, 0.4340,
0.4771

■ 75.8917, 0.4340,
0.4771

■ 73.7769, 0.4420,
0.4821

■ 78.1760, 0.4231,
0.4675

■ 71.7954, 0.4474,
0.4830


■ 80.6407, 0.4098,
0.4536


■ 71.7953, 0.4474,
0.4830

■ 83.3030, 0.3945,
0.4361

■ 86.1763, 0.3780,
0.4161

 89.2722, 0.3611,
0.3945

 92.6016, 0.3443,
0.3723

 96.1745, 0.3280,
0.3503

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.



75.8917, 0.4905, 0.4138



75.8917, 0.4340, 0.4771



75.8917, 0.3507, 0.5088

Triad

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



75.8917, 0.4340, 0.4771



75.8917, 0.1580, 0.2676



75.8917, 0.3440, 0.2310

Complementary

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



75.8917, 0.4340, 0.4771



13.6608, 0.1688, 0.1035

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.



75.8917, 0.2515, 0.1979



75.8917, 0.4340, 0.4771



75.8917, 0.1574, 0.2102

Square

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



75.8917, 0.4340, 0.4771



75.8917, 0.1927, 0.3650



75.8917, 0.1881, 0.1895



75.8917, 0.4403, 0.2835

Rectangle

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



75.8917, 0.4340, 0.4771



75.8917, 0.2909, 0.4908



75.8917, 0.1881, 0.1895



75.8917, 0.3109, 0.2175

Sweetspot

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



75.8941, 0.4340, 0.4771



91.2410, 0.3510, 0.3812



24.2309, 0.5602, 0.3090



19.2769, 0.3570, 0.3891



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.



75.8941, 0.4340, 0.4771



72.5764, 0.4454, 0.4829



81.9001, 0.3640, 0.5321



20.6245, 0.3273, 0.3492



37.6835, 0.4469, 0.4834



3.7845, 0.4432, 0.4863

Inverse Universe

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



13.6608, 0.1688, 0.1035



9.1622, 0.1546, 0.0741



13.7547, 0.1995, 0.1005



17.7941, 0.2979, 0.3079



4.5649, 0.1531, 0.0711



0.5640, 0.1576, 0.0875

Previews

White Background



This preview shows how the Yxy color 75.8917, 0.4340, 0.4771 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 75.8917, 0.4340, 0.4771 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 75.8917, 0.4340, 0.4771

Background



This preview shows how black text looks on a background with the Yxy color 75.8917, 0.4340, 0.4771.



This preview shows how white text looks on a background with the Yxy color 75.8917, 0.4340, 0.4771.

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

75.8917, 0.4340, 0.4771

Protanopia

75.7026, 0.4332, 0.4776

Deuteranopia

75.9900, 0.3715, 0.3783



Tritanopia

75.9178, 0.3337, 0.3180

Trichromacy



Original Color

75.8917, 0.4340, 0.4771

Protanomaly

75.7026, 0.4332, 0.4776

Deuteranomaly

75.6203, 0.4004, 0.4229

Tritanomaly

75.0907, 0.3790, 0.3874

Monochromacy



Original Color

75.8917, 0.4340, 0.4771

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

69.8526, 0.3653, 0.3995

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.8917, 0.4340, 0.4771 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, 226, 51)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 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, 226, 51) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 51) }
```

Border

The CSS property to change the border of an element to Yxy 75.8917, 0.4340, 0.4771 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, 226, 51) }
```

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

```
.border{ border-color:rgb(255, 226, 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, 226, 51)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 51); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 51);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
51) }
```


Background

The CSS property to change the background color of an element to Yxy 75.8917, 0.4340, 0.4771 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 226, 51) }
```

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

```
.background{ background-color: rgb(255,  
226, 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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