

Converting Colors

$Y_{xy}(76.1176, 0.4325, 0.4755)$

Have a look what the booklet for
Yxy(76.1176, 0.4325, 0.4755)
contains.

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Color

Yxy(75.9382, 0.4326, 0.4751)

Conversions

Conversions Part 1

Format	Color
Hex	FFE238
RGB	255, 226, 56
RGB Percent	100%, 89%, 22%
CMY	0.0001, 0.1137, 0.7804
CMYK	0.00, 0.11, 0.78, 0.00
HSL	51°, 100%, 61%
HSV	51°, 78%, 100%
XYZ	69.1452, 75.9382, 14.7529
YIQ	215.2910, 71.8540, -46.7220

Conversions

Conversions Part 2

Format	Color
R _Y B	90, 255, 56
Decimal	16769592
CIE Lab	89.83, -6.48, 79.74
CIE LCh	90, 80.006, 94.645
Yxy	75.9382, 0.4326, 0.4751
Android (android.graphics.Color)	4294959672 (0xFFFE238)
YUV	215.2910, -78.5305, 34.8248
Hunter-Lab	87.1425, -10.8647, 50.9622

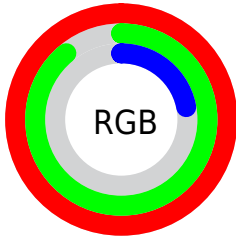
Details

The Yxy color **75.9382, 0.4326, 0.4751** 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 **14.5505, 0.1715, 0.1089**, and the grayscale version is **68.6697, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.0644, 0.3912, 0.4588**, and **40.5952, 0.4419, 0.4873** is the 20% darker color. If you saturate the color by 10%, you get **73.7554, 0.4413, 0.4809**, and if you desaturate by 10%, it is **78.2988, 0.4211, 0.4647**.

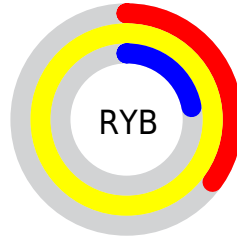
Distribution



Red (100%)

Green (89%)

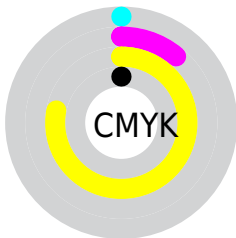
Blue (22%)



Red (35%)

Yellow (100%)

Blue (22%)

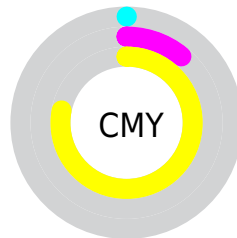


Cyan (0%)

Magenta (11%)

Yellow (78%)

Black (0%)



Cyan (0%)


Magenta (11%)

Yellow (78%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 75.9382, 0.4326, 0.4751 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 75.9382, 0.4326, 0.4751 by changing the saturation by 10% instead.


 75.9382, 0.4326,
0.4751


 75.9382, 0.4326,
0.4751


481.1361, 0.3847,
0.4143

 56.3818, 0.4406,
0.4861

 127.6395, 0.4182,
0.4562

 40.5091, 0.4489,
0.4980


 160.5533, 0.4119,
0.4481

 27.9357, 0.4567,
0.5103


 198.6883, 0.4062,
0.4409

 18.2772, 0.4642,
0.5234

 242.4290, 0.4011,
0.4344

 11.1492, 0.4669,
0.5331

 292.1597, 0.3964,
0.4286

 6.1673, 0.4624,
0.5376

348.2649, 0.3922,

 2.9471, 0.4553,

0.4234

0.5447

411.1289, 0.3883,
0.4186

■ 1.1042, 0.4426,
0.5574

■ 0.0000, 0.0000,
0.0000

■ 75.9382, 0.4326,
0.4751

■ 75.9382, 0.4326,
0.4751

■ 73.7554, 0.4413,
0.4809

■ 78.2988, 0.4211,
0.4647

■ 71.7163, 0.4472,
0.4823


■ 80.8435, 0.4072,
0.4500


■ 71.3275, 0.4482,
0.4824

■ 83.5907, 0.3915,
0.4320

■ 86.5532, 0.3749,
0.4116

 89.7426, 0.3578,
0.3899

 93.1695, 0.3411,
0.3678

 96.8439, 0.3250,
0.3460

99.9966, 0.3127,
0.3290

Harmonies

Analogous

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



75.9382, 0.4879, 0.4131



75.9382, 0.4326, 0.4751



75.9382, 0.3506, 0.5056

Triad

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



75.9382, 0.4326, 0.4751



75.9382, 0.1602, 0.2689



75.9382, 0.3435, 0.2324

Complementary

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



75.9382, 0.4326, 0.4751



14.5505, 0.1715, 0.1089

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.



75.9382, 0.2524, 0.1997



75.9382, 0.4326, 0.4751



75.9382, 0.1595, 0.2121

Square

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



75.9382, 0.4326, 0.4751



75.9382, 0.1947, 0.3646



75.9382, 0.1899, 0.1915



75.9382, 0.4381, 0.2842

Rectangle

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



75.9382, 0.4326, 0.4751



75.9382, 0.2917, 0.4876



75.9382, 0.1899, 0.1915



75.9382, 0.3109, 0.2191

Sweetspot

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



75.9418, 0.4326, 0.4751



91.4542, 0.3493, 0.3788



24.7537, 0.5520, 0.3083



19.3133, 0.3554, 0.3868



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.



75.9418, 0.4326, 0.4751



72.5365, 0.4451, 0.4822



82.1500, 0.3641, 0.5289



20.6134, 0.3273, 0.3491



37.4482, 0.4476, 0.4828



3.7638, 0.4439, 0.4858

Inverse Universe

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



14.5505, 0.1715, 0.1089



9.6221, 0.1559, 0.0773



14.4549, 0.2024, 0.1045



17.8043, 0.2979, 0.3080



4.5957, 0.1532, 0.0715



0.5688, 0.1578, 0.0881

Previews

White Background



This preview shows how the Yxy color 75.9382, 0.4326, 0.4751 looks on a white background.

Color Contrast Check

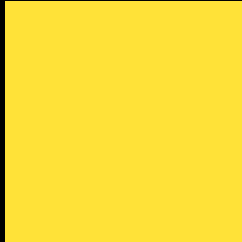
Large Text (above 18pt) WCAG AA × Fail

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 75.9382, 0.4326, 0.4751 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 75.9382, 0.4326, 0.4751

Background



This preview shows how black text looks on a background with the Yxy color 75.9382, 0.4326, 0.4751.



This preview shows how white text looks on a background with the Yxy color 75.9382, 0.4326, 0.4751.

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

75.9382, 0.4326, 0.4751

Protanopia

75.7491, 0.4319, 0.4756

Deuteranopia

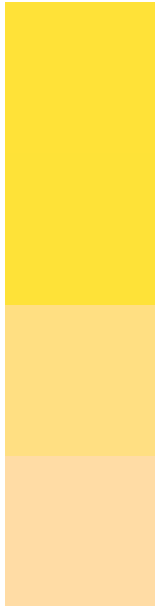
75.9900, 0.3715, 0.3783



Tritanopia

75.9178, 0.3337, 0.3180

Trichromacy



Original Color

75.9382, 0.4326, 0.4751

Protanomaly

75.7491, 0.4319, 0.4756

Deuteranomaly

75.6471, 0.3998, 0.4220

Tritanomaly

75.1630, 0.3775, 0.3854

Monochromacy



Original Color

75.9382, 0.4326, 0.4751

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

69.9204, 0.3639, 0.3973

CSS Examples

Text

The CSS property to change the color of the text to Yxy 75.9382, 0.4326, 0.4751 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, 56)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 56)  
}
```

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, 56) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 56) }
```

Border

The CSS property to change the border of an element to Yxy 75.9382, 0.4326, 0.4751 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, 56) }
```

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

```
.border{ border-color:rgb(255, 226, 56) }
```

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, 56) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 56); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 56);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
56) }
```


Background

The CSS property to change the background color of an element to Yxy 75.9382, 0.4326, 0.4751 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, 56) }
```

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

```
.background{ background-color: rgb(255,  
226, 56) }
```

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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