

Converting Colors

$Yxy(76.8032, 0.3889, 0.4370)$

Have a look what the booklet for
Yxy(76.8032, 0.3889, 0.4370)
contains.

Yxy(76.7751, 0.3886, 0.4370)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(76.7751, 0.3886, 0.4370)

Conversions

Conversions Part 1

Format	Color
Hex	F1E67D
RGB	241, 230, 125
RGB Percent	95%, 90%, 49%
CMY	0.0550, 0.0980, 0.5096
CMYK	0.00, 0.05, 0.48, 0.05
HSL	54°, 81%, 72%
HSV	54°, 48%, 95%
XYZ	68.2719, 76.7751, 30.6398
YIQ	221.3190, 40.2610, -30.3230

Conversions

Conversions Part 2

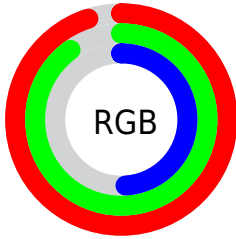
Format	Color
RYB	137, 241, 125
Decimal	15853181
CIELab	90.22, -10.05, 52.07
CIElCh	90, 53.035, 100.923
Yxy	76.7751, 0.3886, 0.4370
Android (android.graphics.Color)	4294043261 (0xFFFF1E67D)
YUV	221.3190, -47.4853, 17.2602
Hunter-Lab	87.6214, -14.2558, 40.6022

Details

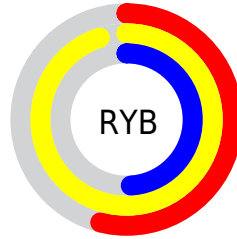
The Yxy color **76.7751, 0.3886, 0.4370** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **28.3288, 0.2234, 0.1909**, and the grayscale version is **72.8650, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.0753, 0.3573, 0.4028**, and **41.2083, 0.4023, 0.4598** is the 20% darker color. If you saturate the color by 10%, you get **74.9742, 0.4029, 0.4557**, and if you desaturate by 10%, it is **78.7491, 0.3731, 0.4159**.

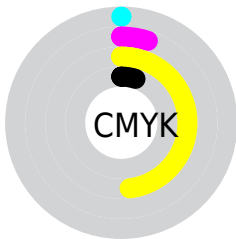
Distribution



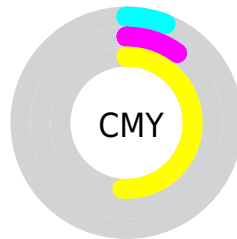
- Red (95%)
- Green (90%)
- Blue (49%)



- Red (54%)
- Yellow (95%)
- Blue (49%)



- Cyan (0%)
- Magenta (5%)
- Yellow (48%)
- Black (5%)





- Cyan (6%)
- Magenta (10%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.7751, 0.3886, 0.4370 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 76.7751, 0.3886, 0.4370 by changing the saturation by 10% instead.


 76.7751, 0.3886,
0.4370

 76.7751, 0.3886,
0.4370


483.9969, 0.3559,
0.3881


 57.0683, 0.3951,
0.4475


 128.8220, 0.3779,
0.4205

 41.0601, 0.4027,
0.4600


 161.9308, 0.3736,
0.4139

 28.3660, 0.4113,
0.4749


 200.2758, 0.3697,
0.4082

 18.6018, 0.4207,
0.4929

244.2414, 0.3663,
0.4032

 11.3829, 0.4304,
0.5142

294.2119, 0.3633,
0.3988

 6.3250, 0.4486,
0.5513

350.5717, 0.3606,

 3.0437, 0.4377,

0.3948

0.5623

413.7052, 0.3581,
0.3913

■ 1.1546, 0.4182,
0.5818

■ 0.0241, 0.0000,
1.0000

■ 76.7751, 0.3886,
0.4370

■ 76.7751, 0.3886,
0.4370

■ 74.9742, 0.4029,
0.4557

■ 78.7491, 0.3731,
0.4159

■ 73.3248, 0.4152,
0.4709


■ 80.8955, 0.3569,
0.3932

■ 71.8178, 0.4250,
0.4819


■ 83.2269, 0.3407,
0.3700


■ 70.4383, 0.4321,
0.4885


■ 85.7519, 0.3249,
0.3471

 69.1660, 0.4366,
0.4908


 88.4782, 0.3099,
0.3249

 68.9315, 0.4373,
0.4910

 90.4340, 0.3043,
0.3179

 91.8126, 0.3043,
0.3201

 93.2083, 0.3042,
0.3224

 94.6210, 0.3042,
0.3246

Harmonies

Analogous

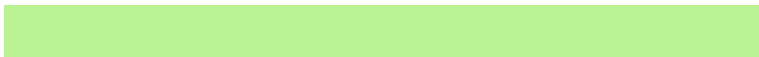
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



76.7751, 0.4285, 0.4033



76.7751, 0.3886, 0.4370



76.7751, 0.3306, 0.4407

Triad

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



76.7751, 0.3886, 0.4370



76.7751, 0.2031, 0.2812



76.7751, 0.3484, 0.2684

Complementary

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



76.7751, 0.3886, 0.4370



28.3288, 0.2234, 0.1909

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.



76.7751, 0.2849, 0.2407



76.7751, 0.3886, 0.4370



76.7751, 0.2067, 0.2441

Square

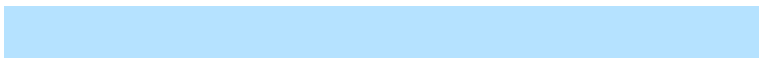
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



76.7751, 0.3886, 0.4370



76.7751, 0.2251, 0.3402



76.7751, 0.2348, 0.2314



76.7751, 0.4062, 0.3094

Rectangle

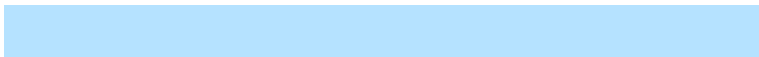
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



76.7751, 0.3886, 0.4370



76.7751, 0.2898, 0.4200



76.7751, 0.2348, 0.2314



76.7751, 0.3267, 0.2574

Sweetspot

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



76.7787, 0.3886, 0.4370



95.7737, 0.3342, 0.3606



35.1742, 0.4331, 0.3167



20.3686, 0.3377, 0.3656



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.



76.7787, 0.3886, 0.4370



85.2366, 0.4029, 0.4558



75.9313, 0.3498, 0.4615



18.1883, 0.3271, 0.3502



37.4955, 0.4369, 0.4913



3.1931, 0.4343, 0.4933

Inverse Universe

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



28.3288, 0.2234, 0.1909



24.0501, 0.2029, 0.1576



29.7362, 0.2560, 0.1898



15.4692, 0.2980, 0.3069



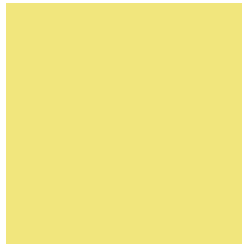
3.8565, 0.1518, 0.0664



0.4017, 0.1558, 0.0809

Previews

White Background



This preview shows how the Yxy color 76.7751, 0.3886, 0.4370 looks on a white background.

Color Contrast Check

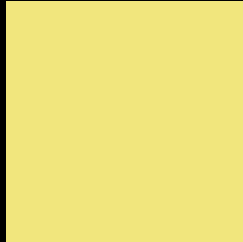
Large Text (above 18pt) WCAG AA × Fail

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 76.7751, 0.3886, 0.4370 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

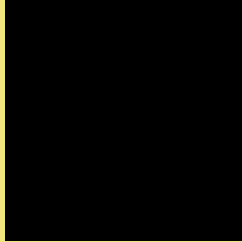
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 76.7751, 0.3886, 0.4370

Background



This preview shows how black text looks on a background with the Yxy color 76.7751, 0.3886, 0.4370.



This preview shows how white text looks on a background with the Yxy color 76.7751, 0.3886, 0.4370.

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

76.7751, 0.3886, 0.4370

Protanopia

76.7174, 0.3976, 0.4324

Deuteranopia

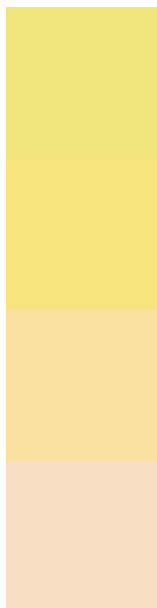
76.3503, 0.3651, 0.3690



Tritanopia

76.3193, 0.3258, 0.3110

Trichromacy



Original Color

76.7751, 0.3886, 0.4370

Protanomaly

76.7162, 0.3948, 0.4343

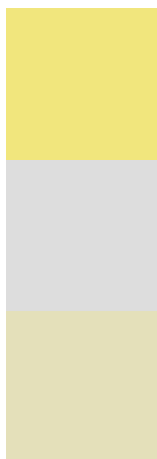
Deuteranomaly

76.2085, 0.3751, 0.3942

Tritanomaly

76.1391, 0.3503, 0.3571

Monochromacy



Original Color

76.7751, 0.3886, 0.4370

Achromatopsia

72.3055, 0.3127, 0.3290

Achromatomaly

73.3505, 0.3411, 0.3706

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.7751, 0.3886, 0.4370 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(241, 230, 125)` looks like.

```
.text, #text, p{  
    color:rgb(241, 230, 125)  
}
```

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(241, 230, 125) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 230, 125) }
```

Border

The CSS property to change the border of an element to Yxy 76.7751, 0.3886, 0.4370 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(241, 230, 125) }
```

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

```
.border{ border-color:rgb(241, 230, 125) }
```

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

Here you see how a box with a 4 pixel `rgb(241, 230, 125)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 230, 125); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 230, 125);  
box-shadow:4px 4px 4px 4px rgb(241, 230,  
125) }
```


Background

The CSS property to change the background color of an element to Yxy 76.7751, 0.3886, 0.4370 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 230, 125) }
```

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

```
.background{ background-color: rgb(241,  
230, 125) }
```

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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