

Converting Colors

$Y_{xy}(85.7205, 0.4453, 0.4328)$

Have a look what the booklet for
Yxy(85.7205, 0.4453, 0.4328)
contains.

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Color

Yxy(76.5923, 0.4146, 0.4486)

Conversions

Conversions Part 1

Format	Color
Hex	FFE265
RGB	255, 226, 101
RGB Percent	100%, 89%, 40%
CMY	0.0000, 0.1137, 0.6040
CMYK	0.00, 0.11, 0.60, 0.00
HSL	49°, 100%, 70%
HSV	49°, 60%, 100%
XYZ	70.7873, 76.5923, 23.3567
YIQ	220.4210, 57.4090, -32.7270

Conversions

Conversions Part 2

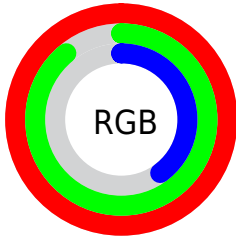
Format	Color
R_{YB}	137, 255, 101
Decimal	16769637
CIE Lab	90.13, -4.25, 63.27
CIE LCh	90, 63.408, 93.846
Yxy	76.5923, 0.4146, 0.4486
Android (android.graphics.Color)	4294959717 (0xFFFFE265)
YUV	220.4210, -58.8746, 30.3258
Hunter-Lab	87.5170, -8.7769, 45.4385

Details

The Yxy color **76.5923, 0.4146, 0.4486** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **25.9419, 0.2021, 0.1670**, and the grayscale version is **72.2680, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.1803, 0.3712, 0.4256**, and **40.9174, 0.4322, 0.4711** is the 20% darker color. If you saturate the color by 10%, you get **73.5949, 0.4294, 0.4618**, and if you desaturate by 10%, it is **79.8209, 0.3980, 0.4319**.

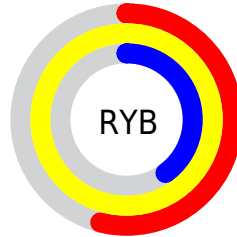
Distribution



Red (100%)

Green (89%)

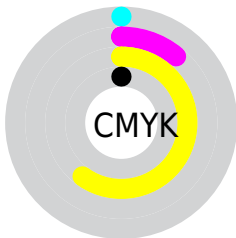
Blue (40%)



Red (54%)

Yellow (100%)

Blue (40%)

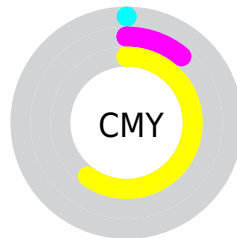


Cyan (0%)

Magenta (11%)

Yellow (60%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (60%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 76.5923, 0.4146, 0.4486 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 76.5923, 0.4146, 0.4486 by changing the saturation by 10% instead.


 76.5923, 0.4146,
0.4486


 76.5923, 0.4146,
0.4486


483.3728, 0.3713,
0.3966


 56.9183, 0.4229,
0.4590


 128.5638, 0.4007,
0.4317

 40.9397, 0.4323,
0.4708


 161.6301, 0.3950,
0.4248

 28.2719, 0.4425,
0.4842


 199.9294, 0.3899,
0.4186

 18.5308, 0.4532,
0.4988

 243.8459, 0.3854,
0.4132

 11.3317, 0.4651,
0.5160

293.7641, 0.3813,
0.4084

 6.2904, 0.4711,
0.5289

350.0684, 0.3776,

 3.0225, 0.4666,

0.4041

0.5334

413.1432, 0.3743,
0.4002

■ 1.1435, 0.4585,
0.5415

■ 0.0148, 0.0000,
1.0000

■ 76.5923, 0.4146,
0.4486

■ 76.5923, 0.4146,
0.4486

■ 73.5949, 0.4294,
0.4618

■ 79.8209, 0.3980,
0.4319

■ 70.8085, 0.4418,
0.4706

■ 83.2896, 0.3805,
0.4127

■ 68.2164, 0.4513,
0.4747

■ 87.0122, 0.3628,
0.3921

■ 65.8835, 0.4579,
0.4747

■ 90.9998, 0.3454,
0.3710

 95.2627, 0.3288,
0.3500

99.8106, 0.3133,
0.3298

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.



76.5923, 0.4557, 0.4013



76.5923, 0.4146, 0.4486



76.5923, 0.3490, 0.4672

Triad

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



76.5923, 0.4146, 0.4486



76.5923, 0.1878, 0.2851



76.5923, 0.3362, 0.2488

Complementary

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



76.5923, 0.4146, 0.4486



25.9419, 0.2021, 0.1670

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.



76.5923, 0.2632, 0.2216



76.5923, 0.4146, 0.4486



76.5923, 0.1855, 0.2358

Square

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



76.5923, 0.4146, 0.4486



76.5923, 0.2192, 0.3604



76.5923, 0.2110, 0.2159



76.5923, 0.4103, 0.2927

Rectangle

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



76.5923, 0.4146, 0.4486



76.5923, 0.3007, 0.4517



76.5923, 0.2110, 0.2159



76.5923, 0.3104, 0.2376

Sweetspot

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



76.5938, 0.4146, 0.4486



91.9987, 0.3413, 0.3659



32.2218, 0.4651, 0.2995



19.4330, 0.3463, 0.3720



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.



76.5938, 0.4146, 0.4486



73.1361, 0.4316, 0.4635



85.9840, 0.3659, 0.4890



20.4751, 0.3274, 0.3482



34.6337, 0.4571, 0.4753



3.5153, 0.4520, 0.4793

Inverse Universe

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



25.9419, 0.2021, 0.1670



18.8753, 0.1824, 0.1333



22.7417, 0.2248, 0.1470



17.9309, 0.2979, 0.3091



5.0346, 0.1549, 0.0775



0.6303, 0.1600, 0.0961

Previews

White Background



This preview shows how the Yxy color 76.5923, 0.4146, 0.4486 looks on a white background.

Color Contrast Check

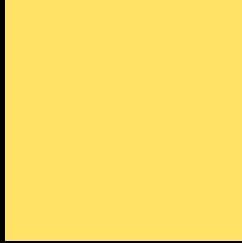
Large Text (above 18pt) WCAG AA × Fail

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 76.5923, 0.4146, 0.4486 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 76.5923, 0.4146, 0.4486

Background



This preview shows how black text looks on a background with the Yxy color 76.5923, 0.4146, 0.4486.

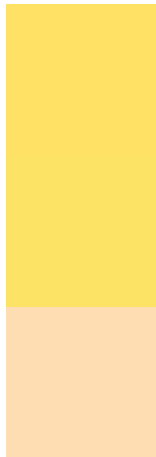


This preview shows how white text looks on a background with the Yxy color 76.5923, 0.4146, 0.4486.

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

76.5923, 0.4146, 0.4486

Protanopia

76.5732, 0.4117, 0.4506

Deuteranopia

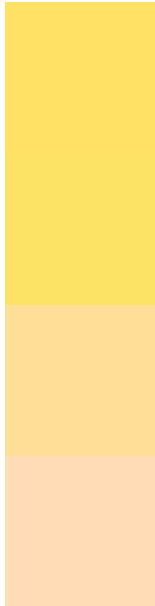
76.2276, 0.3672, 0.3721



Tritanopia

76.4871, 0.3329, 0.3181

Trichromacy



Original Color

76.5923, 0.4146, 0.4486

Protanomaly

76.7604, 0.4125, 0.4502

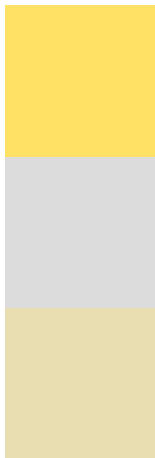
Deuteranomaly

76.2697, 0.3861, 0.4022

Tritanomaly

75.8238, 0.3654, 0.3680

Monochromacy



Original Color

76.5923, 0.4146, 0.4486

Achromatopsia

71.5694, 0.3127, 0.3290

Achromatomaly

72.7405, 0.3515, 0.3779

CSS Examples

Text

The CSS property to change the color of the text to Yxy 76.5923, 0.4146, 0.4486 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, 101)` looks like.

```
.text, #text, p{  
    color:rgb(255, 226, 101)  
}
```

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, 101) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 226, 101) }
```

Border

The CSS property to change the border of an element to Yxy 76.5923, 0.4146, 0.4486 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, 101) }
```

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

```
.border{ border-color:rgb(255, 226, 101) }
```

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, 101)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 226, 101); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 226, 101);  
box-shadow:4px 4px 4px 4px rgb(255, 226,  
101) }
```


Background

The CSS property to change the background color of an element to Yxy 76.5923, 0.4146, 0.4486 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, 101) }
```

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

```
.background{ background-color: rgb(255,  
226, 101) }
```

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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