

Converting Colors

$Yxy(77.5787, 0.4105, 0.4453)$

Have a look what the booklet for
Yxy(77.5787, 0.4105, 0.4453)
contains.

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Color

Yxy(77.8083, 0.4103, 0.4456)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFE46B |
| RGB | 255, 228, 107 |
| RGB Percent | 100%, 89%, 42% |
| CMY | 0.0000, 0.1059, 0.5802 |
| CMYK | 0.00, 0.11, 0.58, 0.00 |
| HSL | 49°, 100%, 71% |
| HSV | 49°, 58%, 100% |
| XYZ | 71.6444, 77.8083, 25.1620 |
| YIQ | 222.2790, 54.9330, -31.9070 |

Conversions

Conversions Part 2

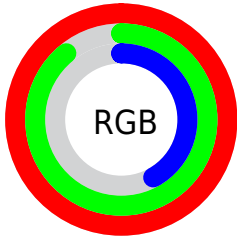
| Format | Color |
|-------------------------------------|--------------------------------|
| R_{YB} | 140, 255, 107 |
| Decimal | 16770155 |
| CIE _{Lab} | 90.69, -4.84, 61.22 |
| CIE _{LCh} | 91, 61.411, 94.519 |
| Yxy | 77.8083, 0.4103, 0.4456 |
| Android (android.graphics.Color) | 4294960235 (0xFFFFE46B) |
| YUV | 222.2790, -56.8325, 28.6963 |
| Hunter-Lab | 88.2090, -9.3860, 44.8336 |

Details

The Yxy color **77.8083, 0.4103, 0.4456** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **27.4095, 0.2063, 0.1732**, and the grayscale version is **73.6365, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3886, 0.3678, 0.4200**, and **41.7372, 0.4272, 0.4684** is the 20% darker color. If you saturate the color by 10%, you get **74.8219, 0.4254, 0.4598**, and if you desaturate by 10%, it is **81.0215, 0.3936, 0.4281**.

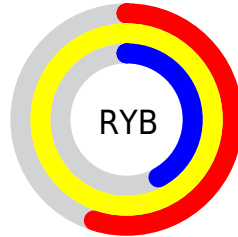
Distribution



Red (100%)

Green (89%)

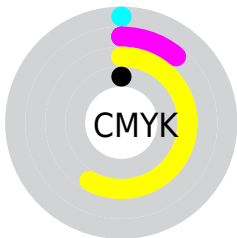
Blue (42%)



Red (55%)

Yellow (100%)

Blue (42%)

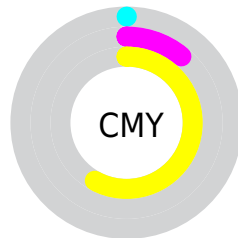


Cyan (0%)

Magenta (11%)

Yellow (58%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.8083, 0.4103, 0.4456 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 77.8083, 0.4103, 0.4456 by changing the saturation by 10% instead.


 77.8083, 0.4103,
0.4456

 77.8083, 0.4103,
0.4456


487.5155, 0.3688,
0.3947


 57.9165, 0.4184,
0.4559

 130.2799, 0.3969,
0.4289


 41.7415, 0.4275,
0.4677


 163.6284, 0.3914,
0.4221

 28.8990, 0.4376,
0.4812

 202.2313, 0.3865,
0.4162

 19.0044, 0.4484,
0.4964

 246.4731, 0.3822,
0.4109

 11.6735, 0.4594,
0.5132

296.7379, 0.3783,
0.4062

 6.5217, 0.4691,
0.5309

353.4104, 0.3748,

 3.1648, 0.4641,

0.4019

0.5359

416.8748, 0.3716,
0.3981

■ 1.2184, 0.4552,
0.5448

■ 0.0766, 0.0000,
1.0000

■ 77.8083, 0.4103,
0.4456

■ 77.8083, 0.4103,
0.4456

■ 74.8219, 0.4254,
0.4598

■ 81.0215, 0.3936,
0.4281

■ 72.0478, 0.4382,
0.4698

■ 84.4752, 0.3761,
0.4084


■ 69.4686, 0.4482,
0.4751

■ 88.1811, 0.3585,
0.3875

■ 67.0606, 0.4553,
0.4758

■ 92.1500, 0.3413,
0.3662

 66.5986, 0.4565,
0.4757

 96.3921, 0.3250,
0.3452

100.0000, 0.3127,
0.3290

Harmonies

Analogous

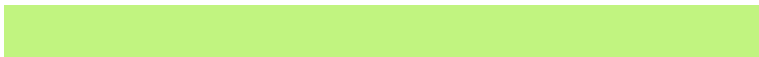
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.8083, 0.4504, 0.4008



77.8083, 0.4103, 0.4456



77.8083, 0.3466, 0.4618

Triad

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



77.8083, 0.4103, 0.4456



77.8083, 0.1914, 0.2856



77.8083, 0.3372, 0.2522

Complementary

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



77.8083, 0.4103, 0.4456



27.4095, 0.2063, 0.1732

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.



77.8083, 0.2664, 0.2252



77.8083, 0.4103, 0.4456



77.8083, 0.1897, 0.2383

Square

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



77.8083, 0.4103, 0.4456



77.8083, 0.2214, 0.3576



77.8083, 0.2151, 0.2194



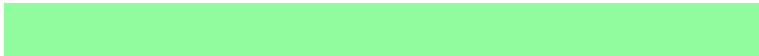
77.8083, 0.4082, 0.2952

Rectangle

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



77.8083, 0.4103, 0.4456



77.8083, 0.2999, 0.4457



77.8083, 0.2151, 0.2194



77.8083, 0.3123, 0.2411

Sweetspot

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



77.8081, 0.4103, 0.4456



92.5718, 0.3396, 0.3640



33.5092, 0.4589, 0.3026



19.6377, 0.3430, 0.3683



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.



77.8081, 0.4103, 0.4456



74.2574, 0.4281, 0.4621



86.0133, 0.3630, 0.4843



20.4937, 0.3274, 0.3483



35.0028, 0.4558, 0.4763



3.5480, 0.4509, 0.4802

Inverse Universe

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



27.4095, 0.2063, 0.1732



19.7303, 0.1853, 0.1377



24.6029, 0.2308, 0.1551



17.9138, 0.2979, 0.3090



4.9689, 0.1546, 0.0766



0.6215, 0.1597, 0.0950

Previews

White Background



This preview shows how the Yxy color 77.8083, 0.4103, 0.4456 looks on a white background.

Color Contrast Check

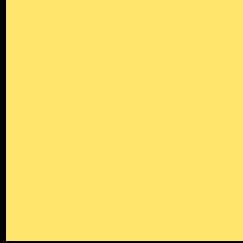
Large Text (above 18pt) WCAG AA × Fail

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 77.8083, 0.4103, 0.4456 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 77.8083, 0.4103, 0.4456

Background



This preview shows how black text looks on a background with the Yxy color 77.8083, 0.4103, 0.4456.



This preview shows how white text looks on a background with the Yxy color 77.8083, 0.4103, 0.4456.

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

77.8083, 0.4103, 0.4456

Protanopia

77.9828, 0.4082, 0.4472

Deuteranopia

77.5381, 0.3624, 0.3679



Tritanopia

77.6362, 0.3313, 0.3181

Trichromacy

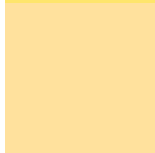


Original Color

77.8083, 0.4103, 0.4456

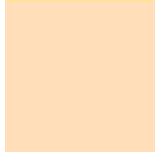
Protanomaly

78.1710, 0.4090, 0.4468



Deuteranomaly

77.5447, 0.3813, 0.3982



Tritanomaly

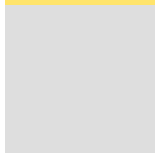
77.0053, 0.3627, 0.3669

Monochromacy



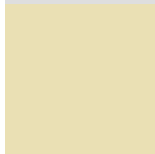
Original Color

77.8083, 0.4103, 0.4456



Achromatopsia

73.0461, 0.3127, 0.3290



Achromatomaly

74.0990, 0.3498, 0.3766

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.8083, 0.4103, 0.4456 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, 107)` looks like.

```
.text, #text, p{  
    color:rgb(255, 228, 107)  
}
```

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, 107) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 228, 107) }
```

Border

The CSS property to change the border of an element to Yxy 77.8083, 0.4103, 0.4456 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, 107) }
```

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

```
.border{ border-color:rgb(255, 228, 107) }
```

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, 107)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 228, 107); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 228, 107); box-shadow:4px 4px 4px 4px rgb(255, 228, 107) }
```


Background

The CSS property to change the background color of an element to Yxy 77.8083, 0.4103, 0.4456 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, 107) }
```

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

```
.background{ background-color: rgb(255,  
228, 107) }
```

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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