

Converting Colors

$Y_{xy}(83.1516, 0.4194, 0.4196)$

Have a look what the booklet for
Yxy(83.1516, 0.4194, 0.4196)
contains.

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Color

Yxy(77.7305, 0.3996, 0.4282)

Conversions

Conversions Part 1

Format	Color
Hex	FFE37F
RGB	255, 227, 127
RGB Percent	100%, 89%, 50%
CMY	0.0000, 0.1098, 0.5019
CMYK	0.00, 0.11, 0.50, 0.00
HSL	47°, 100%, 75%
HSV	47°, 50%, 100%
XYZ	72.5388, 77.7305, 31.2592
YIQ	223.9720, 48.7880, -25.1640

Conversions

Conversions Part 2

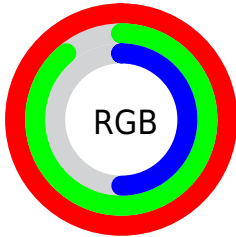
Format	Color
R _Y B	163, 255, 127
Decimal	16769919
CIE Lab	90.66, -2.80, 51.95
CIE LCh	91, 52.029, 93.085
Yxy	77.7305, 0.3996, 0.4282
Android (android.graphics.Color)	4294959999 (0xFFFFE37F)
YUV	223.9720, -47.8072, 27.2116
Hunter-Lab	88.1649, -7.4255, 40.6939

Details

The Yxy color **77.7305, 0.3996, 0.4282** is a light color, and the websafe version is hex **FFCC66**. A complement of this color would be **35.1717, 0.2226, 0.2032**, and the grayscale version is **74.8443, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1574, 0.3561, 0.4008**, and **41.7488, 0.4161, 0.4479** is the 20% darker color. If you saturate the color by 10%, you get **74.1501, 0.4171, 0.4445**, and if you desaturate by 10%, it is **81.5852, 0.3813, 0.4095**.

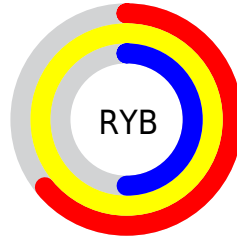
Distribution



Red (100%)

Green (89%)

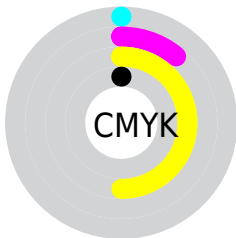
Blue (50%)



Red (64%)

Yellow (100%)

Blue (50%)

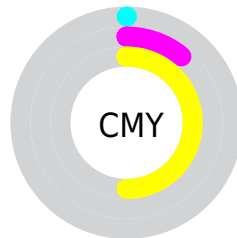


Cyan (0%)

Magenta (11%)

Yellow (50%)

Black (0%)



Cyan (0%)


Magenta (11%)


Yellow (50%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 77.7305, 0.3996, 0.4282 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 77.7305, 0.3996, 0.4282 by changing the saturation by 10% instead.

 77.7305, 0.3996,
0.4282

 77.7305, 0.3996,
0.4282


487.2511, 0.3617,
0.3843

 57.8526, 0.4074,
0.4374

 130.1701, 0.3871,
0.4136

 41.6902, 0.4164,
0.4481


 163.5007, 0.3820,
0.4077

 28.8588, 0.4270,
0.4608

 202.0843, 0.3776,
0.4026

 18.9740, 0.4391,
0.4757

246.3052, 0.3736,
0.3980

 11.6515, 0.4523,
0.4926

296.5480, 0.3701,
0.3940

 6.5068, 0.4744,
0.5206

353.1970, 0.3670,

 3.1557, 0.4739,

0.3904

0.5261

416.6365, 0.3642,
0.3872

■ 1.2135, 0.4688,
0.5312

■ 0.0727, 0.0103,
0.9897

■ 77.7305, 0.3996,
0.4282

■ 77.7305, 0.3996,
0.4282

■ 74.1501, 0.4171,
0.4445

■ 81.5852, 0.3813,
0.4095

■ 70.8192, 0.4331,
0.4573

■ 85.7158, 0.3631,
0.3895

■ 67.7256, 0.4467,
0.4658

■ 90.1374, 0.3453,
0.3690

■ 64.8508, 0.4573,
0.4695

■ 94.8606, 0.3286,
0.3488

■ 62.2150, 0.4651,
0.4689

99.8953, 0.3130,
0.3294

99.9992, 0.3127,
0.3290

Harmonies

Analogous

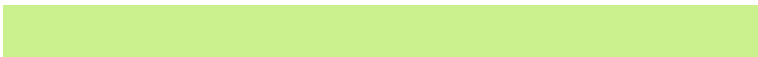
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



77.7305, 0.4314, 0.3907



77.7305, 0.3996, 0.4282



77.7305, 0.3460, 0.4408

Triad

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



77.7305, 0.3996, 0.4282



77.7305, 0.2085, 0.2958



77.7305, 0.3310, 0.2610

Complementary

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



77.7305, 0.3996, 0.4282



35.1717, 0.2226, 0.2032

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.



77.7305, 0.2710, 0.2382



77.7305, 0.3996, 0.4282



77.7305, 0.2055, 0.2532

Square

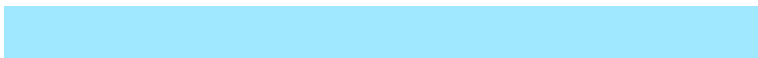
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



77.7305, 0.3996, 0.4282



77.7305, 0.2367, 0.3568



77.7305, 0.2270, 0.2345



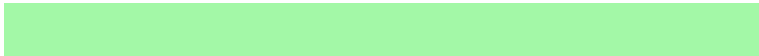
77.7305, 0.3912, 0.2985

Rectangle

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



77.7305, 0.3996, 0.4282



77.7305, 0.3059, 0.4277



77.7305, 0.2270, 0.2345



77.7305, 0.3100, 0.2515

Sweetspot

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



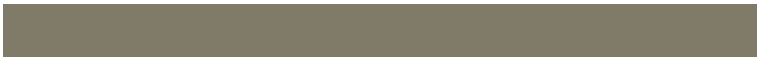
77.7341, 0.3996, 0.4282



92.5559, 0.3365, 0.3585



38.8687, 0.4216, 0.2985



19.5988, 0.3400, 0.3627



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.



77.7341, 0.3996, 0.4282



74.2200, 0.4168, 0.4442



88.4004, 0.3627, 0.4622



20.3770, 0.3275, 0.3475



32.7401, 0.4642, 0.4696



3.3466, 0.4581, 0.4745

Inverse Universe

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



35.1717, 0.2226, 0.2032



27.5002, 0.2042, 0.1741



29.9905, 0.2394, 0.1779



18.0216, 0.2979, 0.3099



5.4158, 0.1563, 0.0825



0.6798, 0.1618, 0.1023

Previews

White Background



This preview shows how the Yxy color 77.7305, 0.3996, 0.4282 looks on a white background.

Color Contrast Check

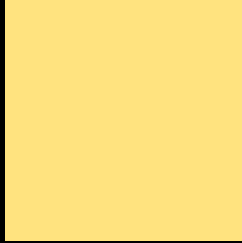
Large Text (above 18pt) WCAG AA × Fail

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 77.7305, 0.3996, 0.4282 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 77.7305, 0.3996, 0.4282

Background



This preview shows how black text looks on a background with the Yxy color 77.7305, 0.3996, 0.4282.



This preview shows how white text looks on a background with the Yxy color 77.7305, 0.3996, 0.4282.

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

77.7305, 0.3996, 0.4282

Protanopia

77.5545, 0.3955, 0.4294

Deuteranopia

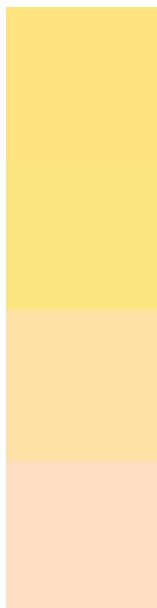
77.6232, 0.3610, 0.3658



Tritanopia

77.6926, 0.3306, 0.3171

Trichromacy



Original Color

77.7305, 0.3996, 0.4282

Protanomaly

77.7408, 0.3962, 0.4291

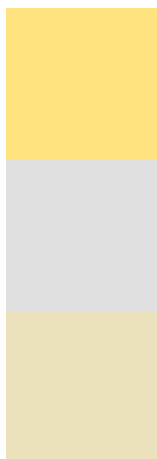
Deuteranomaly

77.2879, 0.3762, 0.3893

Tritanomaly

77.3528, 0.3570, 0.3587

Monochromacy



Original Color

77.7305, 0.3996, 0.4282

Achromatopsia

74.5404, 0.3127, 0.3290

Achromatomaly

75.1867, 0.3441, 0.3677

CSS Examples

Text

The CSS property to change the color of the text to Yxy 77.7305, 0.3996, 0.4282 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, 227, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 227, 127)  
}
```

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, 227, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 227, 127) }
```

Border

The CSS property to change the border of an element to Yxy 77.7305, 0.3996, 0.4282 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, 227, 127) }
```

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

```
.border{ border-color:rgb(255, 227, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 227, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 227, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 227, 127); box-shadow:4px 4px 4px 4px rgb(255, 227, 127) }
```


Background

The CSS property to change the background color of an element to Yxy 77.7305, 0.3996, 0.4282 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 227, 127) }
```

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

```
.background{ background-color: rgb(255,  
227, 127) }
```

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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