

Converting Colors

$Y_{xy}(107.9612, 0.4534, 0.4196)$

Have a look what the booklet for
Yxy(107.9612, 0.4534, 0.4196)
contains.

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Color

Yxy(87.3418, 0.3945, 0.4473)

Conversions

Conversions Part 1

Format	Color
Hex	FFF479
RGB	255, 244, 121
RGB Percent	100%, 96%, 47%
CMY	0.0002, 0.0431, 0.5254
CMYK	0.00, 0.04, 0.53, 0.00
HSL	55°, 100%, 74%
HSV	55°, 53%, 100%
XYZ	77.0318, 87.3418, 30.8908
YIQ	233.2670, 46.0390, -35.9210

Conversions

Conversions Part 2

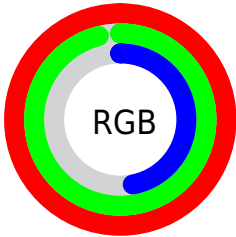
Format	Color
R _Y B	133, 255, 121
Decimal	16774265
CIE Lab	94.88, -11.77, 59.76
CIE LCh	95, 60.909, 101.143
Yxy	87.3418, 0.3945, 0.4473
Android (android.graphics.Color)	4294964345 (0xFFFFFFFF479)
YUV	233.2670, -55.3476, 19.0598
Hunter-Lab	93.4568, -16.4208, 45.8223

Details

The Yxy color **87.3418, 0.3945, 0.4473** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **27.7739, 0.2135, 0.1735**, and the grayscale version is **82.0961, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9146, 0.3597, 0.4066**, and **48.1074, 0.4084, 0.4704** is the 20% darker color. If you saturate the color by 10%, you get **85.5542, 0.4076, 0.4647**, and if you desaturate by 10%, it is **89.3170, 0.3797, 0.4269**.

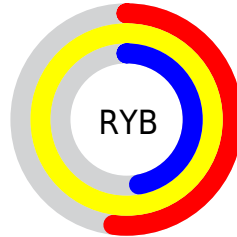
Distribution



Red (100%)

Green (96%)

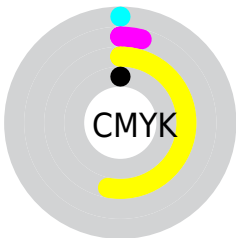
Blue (47%)



Red (52%)

Yellow (100%)

Blue (47%)

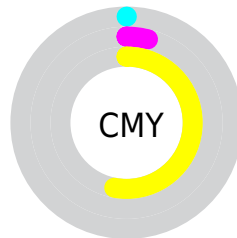


Cyan (0%)

Magenta (4%)

Yellow (53%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (53%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.3418, 0.3945, 0.4473 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 87.3418, 0.3945, 0.4473 by changing the saturation by 10% instead.

 87.3418, 0.3945,
0.4473

 87.3418, 0.3945,
0.4473


519.3454, 0.3607,
0.3954

 65.7781, 0.4009,
0.4580


 143.6405, 0.3838,
0.4301

 48.0923, 0.4081,
0.4706


 179.1442, 0.3793,
0.4232

 33.9000, 0.4161,
0.4853

 220.0634, 0.3753,
0.4171

 22.8168, 0.4245,
0.5025

266.7825, 0.3718,
0.4117

 14.4583, 0.4324,
0.5221

319.6858, 0.3686,
0.4070

 8.4401, 0.4454,
0.5529


379.1578, 0.3657,


 4.3778, 0.4358,


0.4027


0.5642


445.5829, 0.3631,
0.3989


 1.8871, 0.4186,
0.5814


 0.5406, 0.2952,
0.7048

 87.3418, 0.3945,
0.4473


 87.3418, 0.3945,
0.4473


 85.5542, 0.4076,
0.4647


 89.3170, 0.3797,
0.4269


 83.9285, 0.4185,
0.4782

 91.4795, 0.3639,
0.4045


 82.4535, 0.4267,
0.4873

 93.8442, 0.3478,
0.3812

 81.1105, 0.4321,
0.4919

 96.4210, 0.3319,
0.3577

 80.1736, 0.4347,
0.4930

 99.2193, 0.3165,
0.3347

99.9926, 0.3127,
0.3290

Harmonies

Analogous

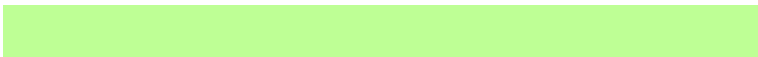
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3418, 0.4390, 0.4092



87.3418, 0.3945, 0.4473



87.3418, 0.3309, 0.4527

Triad

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



87.3418, 0.3945, 0.4473



87.3418, 0.1935, 0.2755



87.3418, 0.3521, 0.2633

Complementary

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



87.3418, 0.3945, 0.4473



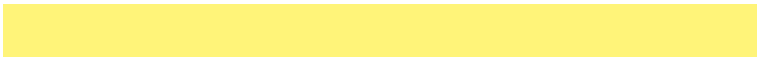
27.7739, 0.2135, 0.1735

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.



87.3418, 0.2824, 0.2333



87.3418, 0.3945, 0.4473



87.3418, 0.1977, 0.2359

Square

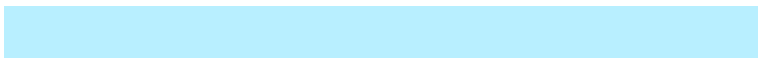
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.3418, 0.3945, 0.4473



87.3418, 0.2166, 0.3402



87.3418, 0.2280, 0.2230



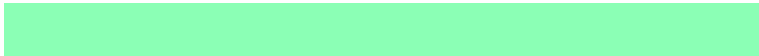
87.3418, 0.4160, 0.3074

Rectangle

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



87.3418, 0.3945, 0.4473



87.3418, 0.2865, 0.4299



87.3418, 0.2280, 0.2230



87.3418, 0.3282, 0.2514

Sweetspot

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



87.3459, 0.3945, 0.4473



95.5370, 0.3373, 0.3658



36.6013, 0.4541, 0.3181



20.3348, 0.3406, 0.3706



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

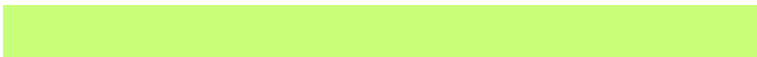
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.3459, 0.3945, 0.4473



85.5048, 0.4082, 0.4654



85.0386, 0.3507, 0.4750



20.8218, 0.3271, 0.3506



42.0130, 0.4344, 0.4933



4.1627, 0.4325, 0.4948

Inverse Universe

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



27.7739, 0.2135, 0.1735



20.2328, 0.1928, 0.1393



30.2219, 0.2508, 0.1764



17.6161, 0.2979, 0.3064



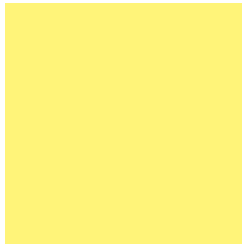
4.1321, 0.1514, 0.0651



0.4804, 0.1545, 0.0761

Previews

White Background



This preview shows how the Yxy color 87.3418, 0.3945, 0.4473 looks on a white background.

Color Contrast Check

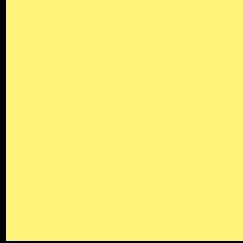
Large Text (above 18pt) WCAG AA × Fail

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 87.3418, 0.3945, 0.4473 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 87.3418, 0.3945, 0.4473

Background



This preview shows how black text looks on a background with the Yxy color 87.3418, 0.3945, 0.4473.

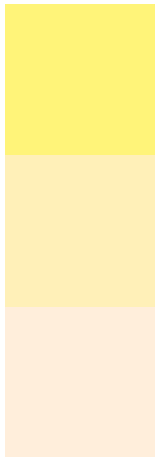


This preview shows how white text looks on a background with the Yxy color 87.3418, 0.3945, 0.4473.

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

87.3418, 0.3945, 0.4473

Protanopia

87.0409, 0.3587, 0.3852

Deuteranopia

87.5235, 0.3363, 0.3479



Tritanopia

87.2083, 0.3205, 0.3203

Trichromacy



Original Color

87.3418, 0.3945, 0.4473



Protanomaly

86.7438, 0.3730, 0.4089



Deuteranomaly

86.9991, 0.3593, 0.3862



Tritanomaly

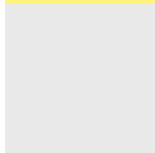
86.5326, 0.3494, 0.3681

Monochromacy



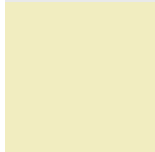
Original Color

87.3418, 0.3945, 0.4473



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.0749, 0.3442, 0.3758

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.3418, 0.3945, 0.4473 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, 244, 121)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 121)  
}
```

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, 244, 121) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 121) }
```

Border

The CSS property to change the border of an element to Yxy 87.3418, 0.3945, 0.4473 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, 244, 121) }
```

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

```
.border{ border-color:rgb(255, 244, 121) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 244, 121)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 121); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 121);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
121) }
```


Background

The CSS property to change the background color of an element to Yxy 87.3418, 0.3945, 0.4473 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 121) }
```

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

```
.background{ background-color: rgb(255,  
244, 121) }
```

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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