

Converting Colors

$Y_{xy}(84.7362, 0.3986, 0.4470)$

Have a look what the booklet for
Yxy(84.7362, 0.3986, 0.4470)
contains.

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Color

Yxy(84.8645, 0.3986, 0.4474)

Conversions

Conversions Part 1

Format	Color
Hex	FFF075
RGB	255, 240, 117
RGB Percent	100%, 94%, 46%
CMY	0.0000, 0.0588, 0.5413
CMYK	0.00, 0.06, 0.54, 0.00
HSL	53°, 100%, 73%
HSV	53°, 54%, 100%
XYZ	75.6079, 84.8645, 29.2113
YIQ	230.4630, 48.4230, -35.0730

Conversions

Conversions Part 2

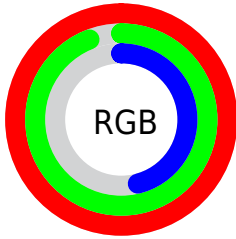
Format	Color
RYB	134, 255, 117
Decimal	16773237
CIELab	93.82, -10.10, 60.36
CIELCh	94, 61.201, 99.498
Yxy	84.8645, 0.3986, 0.4474
Android (android.graphics.Color)	4294963317 (0xFFFFF075)
YUV	230.4630, -55.9373, 21.5189
Hunter-Lab	92.1219, -14.7117, 45.6849

Details

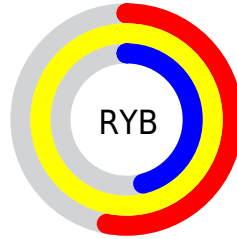
The Yxy color **84.8645, 0.3986, 0.4474** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **27.4865, 0.2111, 0.1726**, and the grayscale version is **79.8867, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.7586, 0.3620, 0.4105**, and **46.3756, 0.4135, 0.4700** is the 20% darker color. If you saturate the color by 10%, you get **82.7306, 0.4122, 0.4639**, and if you desaturate by 10%, it is **87.1945, 0.3834, 0.4278**.

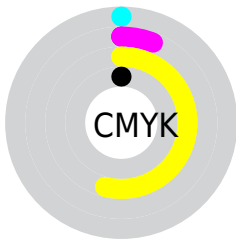
Distribution



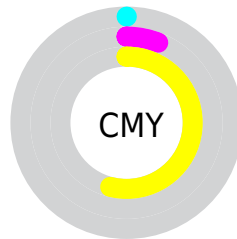
- Red (100%)
- Green (94%)
- Blue (46%)



- Red (53%)
- Yellow (100%)
- Blue (46%)



- Cyan (0%)
- Magenta (6%)
- Yellow (54%)
- Black (0%)




- Cyan (0%)
- Magenta (6%)
- Yellow (54%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 84.8645, 0.3986, 0.4474 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 84.8645, 0.3986, 0.4474 by changing the saturation by 10% instead.


 84.8645, 0.3986,
0.4474


 84.8645, 0.3986,
0.4474


511.1796, 0.3629,
0.3955

 63.7294, 0.4054,
0.4581


 140.1838, 0.3872,
0.4303

 46.4316, 0.4131,
0.4705


 175.1369, 0.3825,
0.4233

 32.5865, 0.4216,
0.4850


 215.4648, 0.3783,
0.4173

 21.8099, 0.4305,
0.5018

261.5518, 0.3745,
0.4119

 13.7173, 0.4389,
0.5206

313.7824, 0.3711,
0.4071

 7.9243, 0.4513,
0.5487

372.5410, 0.3681,

 4.0465, 0.4421,

0.4028

0.5579

438.2119, 0.3654,
0.3990

■ 1.6996, 0.4265,
0.5735

■ 0.4234, 0.2691,
0.7309

■ 84.8645, 0.3986,
0.4474

■ 84.8645, 0.3986,
0.4474

■ 82.7306, 0.4122,
0.4639

■ 87.1945, 0.3834,
0.4278

■ 80.7672, 0.4235,
0.4765


■ 89.7208, 0.3672,
0.4061


■ 78.9624, 0.4321,
0.4846

■ 92.4586, 0.3507,
0.3834

■ 77.2967, 0.4378,
0.4882

■ 95.4180, 0.3345,
0.3605

 76.3680, 0.4402,
0.4887

 98.6084, 0.3189,
0.3380

99.9993, 0.3127,
0.3290

Harmonies

Analogous

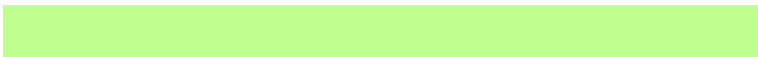
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



84.8645, 0.4422, 0.4074



84.8645, 0.3986, 0.4474



84.8645, 0.3347, 0.4555

Triad

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



84.8645, 0.3986, 0.4474



84.8645, 0.1926, 0.2777



84.8645, 0.3486, 0.2603

Complementary

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



84.8645, 0.3986, 0.4474



27.4865, 0.2111, 0.1726

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.



84.8645, 0.2783, 0.2310



84.8645, 0.3986, 0.4474



84.8645, 0.1953, 0.2362

Square

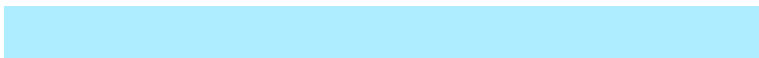
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



84.8645, 0.3986, 0.4474



84.8645, 0.2174, 0.3444



84.8645, 0.2245, 0.2217



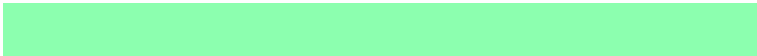
84.8645, 0.4146, 0.3043

Rectangle

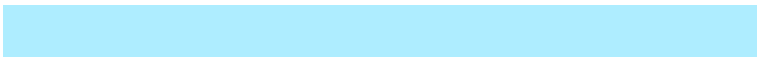
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



84.8645, 0.3986, 0.4474



84.8645, 0.2896, 0.4342



84.8645, 0.2245, 0.2217



84.8645, 0.3244, 0.2486

Sweetspot

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



84.8685, 0.3986, 0.4474



94.8515, 0.3375, 0.3647



35.6674, 0.4552, 0.3132



20.1696, 0.3408, 0.3695



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

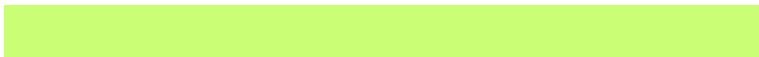
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.8685, 0.3986, 0.4474



82.5565, 0.4132, 0.4652



85.3689, 0.3545, 0.4778



20.7339, 0.3272, 0.3500



40.0409, 0.4398, 0.4890



3.9910, 0.4372, 0.4911

Inverse Universe

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



27.4865, 0.2111, 0.1726



19.9229, 0.1903, 0.1380



28.4646, 0.2447, 0.1701



17.6950, 0.2979, 0.3071



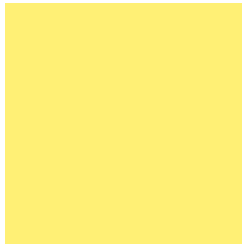
4.3003, 0.1521, 0.0675



0.5176, 0.1559, 0.0812

Previews

White Background



This preview shows how the Yxy color 84.8645, 0.3986, 0.4474 looks on a white background.

Color Contrast Check

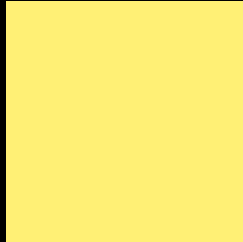
Large Text (above 18pt) WCAG AA × Fail

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 84.8645, 0.3986, 0.4474 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 84.8645, 0.3986, 0.4474

Background



This preview shows how black text looks on a background with the Yxy color 84.8645, 0.3986, 0.4474.

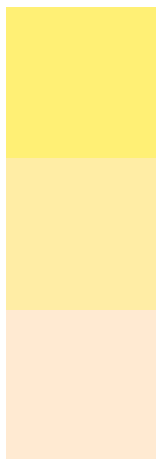


This preview shows how white text looks on a background with the Yxy color 84.8645, 0.3986, 0.4474.

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

84.8645, 0.3986, 0.4474

Protanopia

84.5450, 0.3718, 0.4014

Deuteranopia

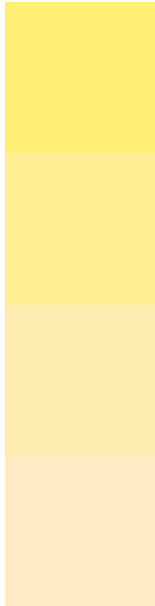
84.7588, 0.3428, 0.3531



Tritanopia

84.7627, 0.3227, 0.3192

Trichromacy



Original Color

84.8645, 0.3986, 0.4474

Protanomaly

84.5472, 0.3820, 0.4186

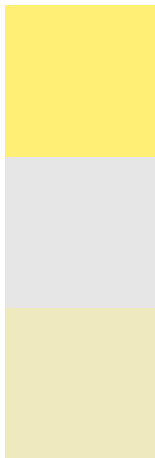
Deuteranomaly

84.3855, 0.3650, 0.3895

Tritanomaly

84.0912, 0.3522, 0.3673

Monochromacy



Original Color

84.8645, 0.3986, 0.4474

Achromatopsia

79.1298, 0.3127, 0.3290

Achromatomaly

80.8705, 0.3453, 0.3763

CSS Examples

Text

The CSS property to change the color of the text to Yxy 84.8645, 0.3986, 0.4474 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, 240, 117)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 117)  
}
```

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, 240, 117) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 117) }
```

Border

The CSS property to change the border of an element to Yxy 84.8645, 0.3986, 0.4474 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, 240, 117) }
```

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

```
.border{ border-color:rgb(255, 240, 117) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 117)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 117); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 117);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
117) }
```


Background

The CSS property to change the background color of an element to Yxy 84.8645, 0.3986, 0.4474 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 117) }
```

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

```
.background{ background-color: rgb(255,  
240, 117) }
```

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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