

Converting Colors

$Y_{xy}(100.0000, 0.4366, 0.4254)$

Have a look what the booklet for
Yxy(100.0000, 0.4366, 0.4254)
contains.

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Color

Yxy(86.7663, 0.3945, 0.4457)

Conversions

Conversions Part 1

Format	Color
Hex	FFF37A
RGB	255, 243, 122
RGB Percent	100%, 95%, 48%
CMY	0.0001, 0.0470, 0.5216
CMYK	0.00, 0.05, 0.52, 0.00
HSL	55°, 100%, 74%
HSV	55°, 52%, 100%
XYZ	76.7990, 86.7663, 31.1089
YIQ	232.7940, 45.9930, -35.0870

Conversions

Conversions Part 2

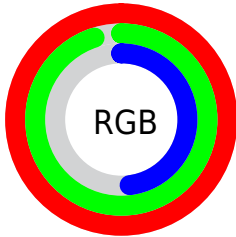
Format	Color
RYB	135, 255, 122
Decimal	16774010
CIELab	94.64, -11.19, 59.03
CIELCh	95, 60.082, 100.733
Yxy	86.7663, 0.3945, 0.4457
Android (android.graphics.Color)	4294964090 (0xFFFFF37A)
YUV	232.7940, -54.6214, 19.4747
Hunter-Lab	93.1484, -15.8401, 45.4027

Details

The Yxy color **86.7663, 0.3945, 0.4457** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **28.3972, 0.2145, 0.1761**, and the grayscale version is **81.7158, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9543, 0.3591, 0.4057**, and **47.6938, 0.4086, 0.4687** is the 20% darker color. If you saturate the color by 10%, you get **84.8534, 0.4079, 0.4631**, and if you desaturate by 10%, it is **88.8702, 0.3795, 0.4253**.

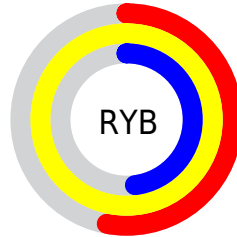
Distribution



Red (100%)

Green (95%)

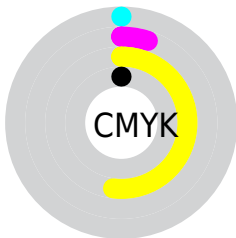
Blue (48%)



Red (53%)

Yellow (100%)

Blue (48%)

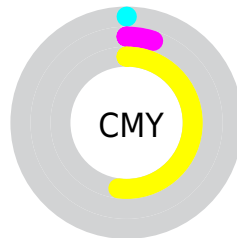


Cyan (0%)

Magenta (5%)

Yellow (52%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.7663, 0.3945, 0.4457 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 86.7663, 0.3945, 0.4457 by changing the saturation by 10% instead.


 86.7663, 0.3945,
0.4457


 86.7663, 0.3945,
0.4457


517.4546, 0.3605,
0.3944

 65.3018, 0.4010,
0.4563


 142.8384, 0.3837,
0.4287

 47.7059, 0.4083,
0.4687


 178.2147, 0.3792,
0.4219

 33.5940, 0.4164,
0.4833


 218.9972, 0.3752,
0.4159

 22.5819, 0.4251,
0.5004

265.5701, 0.3716,
0.4106

 14.2851, 0.4334,
0.5199

318.3180, 0.3684,
0.4059

 8.3192, 0.4466,
0.5502


377.6250, 0.3655,


 4.2999, 0.4381,

0.4017

0.5619


443.8758, 0.3629,
0.3979


 1.8427, 0.4216,
0.5784


 0.5136, 0.2951,
0.7049


 86.7663, 0.3945,
0.4457


 86.7663, 0.3945,
0.4457


 84.8534, 0.4079,
0.4631


 88.8702, 0.3795,
0.4253


 83.1062, 0.4192,
0.4767

 91.1649, 0.3635,
0.4031


 81.5132, 0.4277,
0.4859

 93.6652, 0.3473,
0.3798

 80.0560, 0.4335,
0.4906

 96.3812, 0.3313,
0.3565

 78.9864, 0.4364,
0.4917

 99.3221, 0.3159,
0.3338

99.9972, 0.3127,
0.3290

Harmonies

Analogous

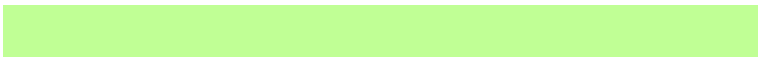
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7663, 0.4381, 0.4079



86.7663, 0.3945, 0.4457



86.7663, 0.3317, 0.4514

Triad

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



86.7663, 0.3945, 0.4457



86.7663, 0.1948, 0.2769



86.7663, 0.3507, 0.2634

Complementary

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



86.7663, 0.3945, 0.4457



28.3972, 0.2145, 0.1761

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.



86.7663, 0.2819, 0.2340



86.7663, 0.3945, 0.4457



86.7663, 0.1986, 0.2373

Square

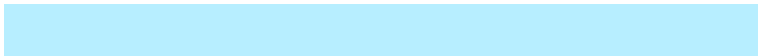
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.7663, 0.3945, 0.4457



86.7663, 0.2181, 0.3411



86.7663, 0.2283, 0.2240



86.7663, 0.4141, 0.3070

Rectangle

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



86.7663, 0.3945, 0.4457



86.7663, 0.2877, 0.4293



86.7663, 0.2283, 0.2240



86.7663, 0.3271, 0.2517

Sweetspot

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



86.7703, 0.3945, 0.4457



95.3239, 0.3374, 0.3654



36.9322, 0.4498, 0.3159



20.2834, 0.3407, 0.3703



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

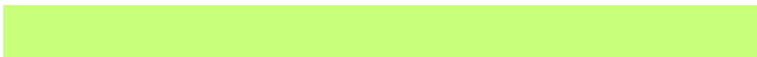
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7703, 0.3945, 0.4457



84.7110, 0.4090, 0.4644



85.4425, 0.3521, 0.4732



20.7945, 0.3271, 0.3504



41.3931, 0.4361, 0.4920



4.1088, 0.4339, 0.4937

Inverse Universe

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



28.3972, 0.2145, 0.1761



20.5158, 0.1931, 0.1408



30.2725, 0.2496, 0.1768



17.6405, 0.2979, 0.3066



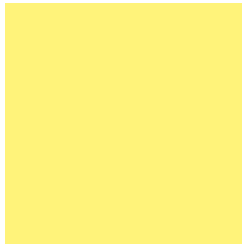
4.1803, 0.1516, 0.0658



0.4919, 0.1549, 0.0777

Previews

White Background



This preview shows how the Yxy color 86.7663, 0.3945, 0.4457 looks on a white background.

Color Contrast Check

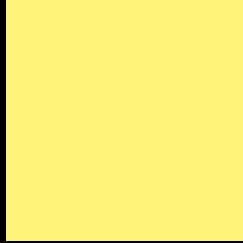
Large Text (above 18pt) WCAG AA × Fail

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 86.7663, 0.3945, 0.4457 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 86.7663, 0.3945, 0.4457

Background



This preview shows how black text looks on a background with the Yxy color 86.7663, 0.3945, 0.4457.

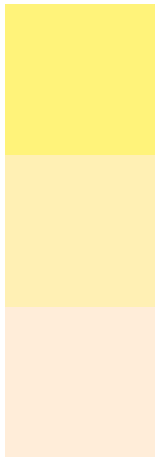


This preview shows how white text looks on a background with the Yxy color 86.7663, 0.3945, 0.4457.

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

86.7663, 0.3945, 0.4457

Protanopia

86.8755, 0.3613, 0.3892

Deuteranopia

86.8381, 0.3377, 0.3489



Tritanopia

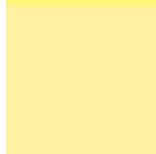
86.6373, 0.3206, 0.3193

Trichromacy



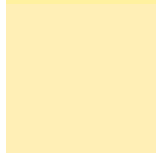
Original Color

86.7663, 0.3945, 0.4457



Protanomaly

86.6738, 0.3742, 0.4108



Deuteranomaly

86.3704, 0.3602, 0.3863



Tritanomaly

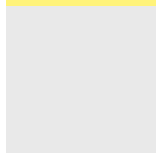
85.9985, 0.3489, 0.3662

Monochromacy



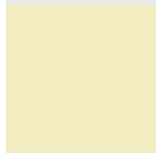
Original Color

86.7663, 0.3945, 0.4457



Achromatopsia

81.4847, 0.3127, 0.3290



Achromatomaly

83.1194, 0.3435, 0.3748

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7663, 0.3945, 0.4457 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, 243, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 243, 122)  
}
```

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, 243, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 243, 122) }
```

Border

The CSS property to change the border of an element to Yxy 86.7663, 0.3945, 0.4457 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, 243, 122) }
```

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

```
.border{ border-color:rgb(255, 243, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 243, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 243, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 243, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 243,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7663, 0.3945, 0.4457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 243, 122) }
```

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

```
.background{ background-color: rgb(255,  
243, 122) }
```

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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