

Converting Colors

$Yxy(86.6273, 0.3835, 0.4266)$

Have a look what the booklet for
Yxy(86.6273, 0.3835, 0.4266)
contains.

Yxy(86.7474, 0.3834, 0.4267)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(86.7474, 0.3834, 0.4267)

Conversions

Conversions Part 1

Format	Color
Hex	FFF28F
RGB	255, 242, 143
RGB Percent	100%, 95%, 56%
CMY	0.0000, 0.0509, 0.4394
CMYK	0.00, 0.05, 0.44, 0.00
HSL	53°, 100%, 78%
HSV	53°, 44%, 100%
XYZ	77.9446, 86.7474, 38.6064
YIQ	234.6010, 39.5270, -28.0330

Conversions

Conversions Part 2

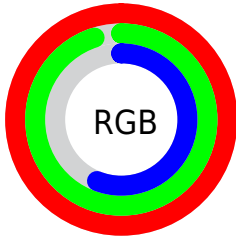
Format	Color
R _Y B	158, 255, 143
Decimal	16773775
CIE Lab	94.63, -8.85, 49.19
CIE LCh	95, 49.977, 100.201
Yxy	86.7474, 0.3834, 0.4267
Android (android.graphics.Color)	4294963855 (0xFFFFF28F)
YUV	234.6010, -45.1593, 17.8899
Hunter-Lab	93.1383, -13.6108, 40.6208

Details

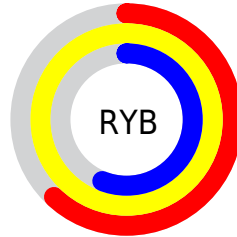
The Yxy color **86.7474, 0.3834, 0.4267** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.8120, 0.2323, 0.2073**, and the grayscale version is **83.0847, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8572, 0.3466, 0.3850**, and **47.5918, 0.3963, 0.4473** is the 20% darker color. If you saturate the color by 10%, you get **84.3204, 0.3988, 0.4462**, and if you desaturate by 10%, it is **89.3864, 0.3671, 0.4051**.

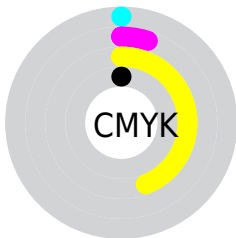
Distribution



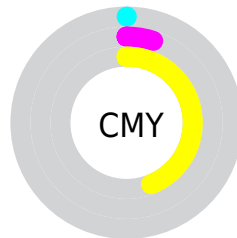
- Red (100%)
- Green (95%)
- Blue (56%)



- Red (62%)
- Yellow (100%)
- Blue (56%)



- Cyan (0%)
- Magenta (5%)
- Yellow (44%)
- Black (0%)



- Cyan (0%)
- Magenta (5%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 86.7474, 0.3834, 0.4267 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 86.7474, 0.3834, 0.4267 by changing the saturation by 10% instead.

 86.7474, 0.3834,
0.4267

 86.7474, 0.3834,
0.4267


517.3925, 0.3533,
0.3833

 65.2862, 0.3895,
0.4359


 142.8120, 0.3736,
0.4122

 47.6932, 0.3965,
0.4469


 178.1842, 0.3695,
0.4063

 33.5840, 0.4047,
0.4601


218.9622, 0.3660,
0.4013

 22.5742, 0.4142,
0.4761

265.5303, 0.3629,
0.3968

 14.2794, 0.4246,
0.4954

318.2730, 0.3601,
0.3929

 8.3153, 0.4354,
0.5187

377.5747, 0.3576,

 4.2973, 0.4486,

0.3893

0.5514

443.8197, 0.3553,
0.3862

■ 1.8412, 0.4356,
0.5644

■ 0.5127, 0.3460,
0.6540

■ 86.7474, 0.3834,
0.4267

■ 86.7474, 0.3834,
0.4267

■ 84.3204, 0.3988,
0.4462

■ 89.3864, 0.3671,
0.4051

■ 82.0812, 0.4126,
0.4628

■ 92.2364, 0.3505,
0.3825

■ 80.0202, 0.4242,
0.4753

■ 95.3117, 0.3342,
0.3598

■ 78.1213, 0.4331,
0.4834

■ 98.6216, 0.3186,
0.3375

■ 76.3653, 0.4391,
0.4870

99.9979, 0.3127,
0.3290

■ 75.3530, 0.4417,
0.4875

Harmonies

Analogous

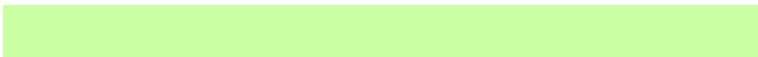
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



86.7474, 0.4186, 0.3967



86.7474, 0.3834, 0.4267



86.7474, 0.3310, 0.4296

Triad

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



86.7474, 0.3834, 0.4267



86.7474, 0.2126, 0.2874



86.7474, 0.3438, 0.2728

Complementary

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



86.7474, 0.3834, 0.4267



36.8120, 0.2323, 0.2073

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.



86.7474, 0.2864, 0.2476



86.7474, 0.3834, 0.4267



86.7474, 0.2153, 0.2524

Square

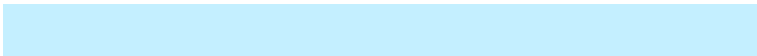
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



86.7474, 0.3834, 0.4267



86.7474, 0.2338, 0.3409



86.7474, 0.2408, 0.2397



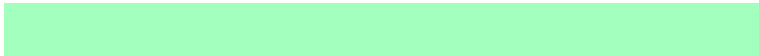
86.7474, 0.3962, 0.3105

Rectangle

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



86.7474, 0.3834, 0.4267



86.7474, 0.2938, 0.4114



86.7474, 0.2408, 0.2397



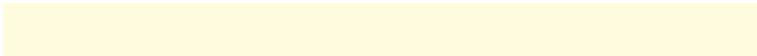
86.7474, 0.3242, 0.2627

Sweetspot

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



86.7514, 0.3834, 0.4267



95.6203, 0.3327, 0.3577



43.2929, 0.4160, 0.3156



20.3161, 0.3363, 0.3627



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

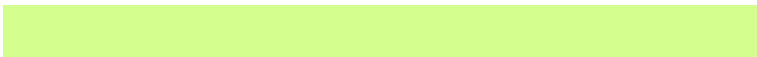
The Same Dimension uses a secret algorithm to generate beautiful new colors.



86.7514, 0.3834, 0.4267



84.5476, 0.3974, 0.4445



87.4987, 0.3487, 0.4495



20.7102, 0.3272, 0.3498



39.5207, 0.4413, 0.4878



3.9455, 0.4385, 0.4901

Inverse Universe

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



36.8120, 0.2323, 0.2073



28.6716, 0.2137, 0.1775



37.2802, 0.2605, 0.2019



17.7164, 0.2979, 0.3073



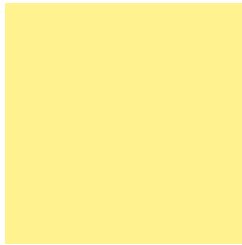
4.3523, 0.1523, 0.0682



0.5276, 0.1563, 0.0826

Previews

White Background



This preview shows how the Yxy color 86.7474, 0.3834, 0.4267 looks on a white background.

Color Contrast Check

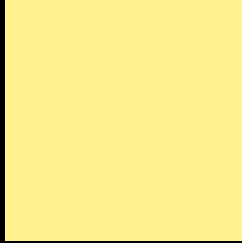
Large Text (above 18pt) WCAG AA × Fail

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 86.7474, 0.3834, 0.4267 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

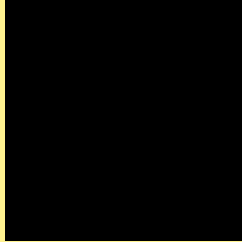
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 86.7474, 0.3834, 0.4267

Background



This preview shows how black text looks on a background with the Yxy color 86.7474, 0.3834, 0.4267.

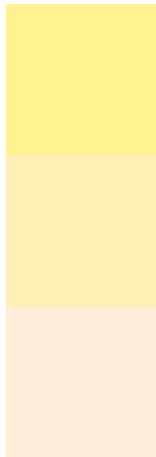


This preview shows how white text looks on a background with the Yxy color 86.7474, 0.3834, 0.4267.

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

86.7474, 0.3834, 0.4267

Protanopia

86.9164, 0.3606, 0.3882

Deuteranopia

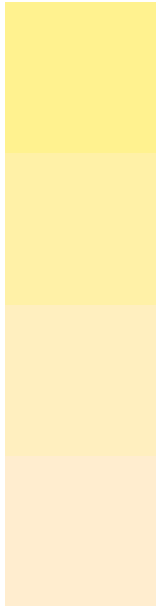
86.8903, 0.3371, 0.3479



Tritanopia

86.6373, 0.3206, 0.3193

Trichromacy



Original Color

86.7474, 0.3834, 0.4267

Protanomaly

86.9606, 0.3692, 0.4030

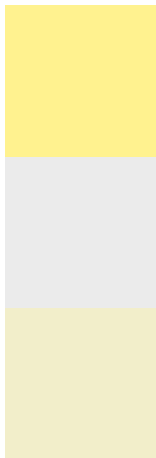
Deuteranomaly

86.7546, 0.3544, 0.3772

Tritanomaly

86.3334, 0.3443, 0.3590

Monochromacy



Original Color

86.7474, 0.3834, 0.4267

Achromatopsia

83.0770, 0.3127, 0.3290

Achromatomaly

84.2906, 0.3382, 0.3662

CSS Examples

Text

The CSS property to change the color of the text to Yxy 86.7474, 0.3834, 0.4267 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, 242, 143)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 143)  
}
```

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, 242, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 143) }
```

Border

The CSS property to change the border of an element to Yxy 86.7474, 0.3834, 0.4267 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, 242, 143) }
```

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

```
.border{ border-color:rgb(255, 242, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 143);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 86.7474, 0.3834, 0.4267 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 143) }
```

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

```
.background{ background-color: rgb(255,  
242, 143) }
```

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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