

Converting Colors

$Y_{xy}(86.8045, 0.3776, 0.4169)$

Have a look what the booklet for
Yxy(86.8045, 0.3776, 0.4169)
contains.

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Color

Yxy(87.0642, 0.3775, 0.4174)

Conversions

Conversions Part 1

Format	Color
Hex	FFF299
RGB	255, 242, 153
RGB Percent	100%, 95%, 60%
CMY	0.0000, 0.0510, 0.4001
CMYK	0.00, 0.05, 0.40, 0.00
HSL	52°, 100%, 80%
HSV	52°, 40%, 100%
XYZ	78.7416, 87.0642, 42.7812
YIQ	235.7410, 36.3170, -24.9230

Conversions

Conversions Part 2

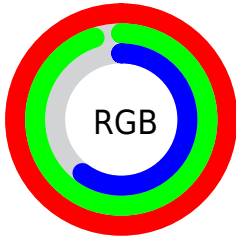
Format	Color
R _Y B	168, 255, 153
Decimal	16773785
CIE Lab	94.77, -7.84, 44.49
CIE LCh	95, 45.175, 99.995
Yxy	87.0642, 0.3775, 0.4174
Android (android.graphics.Color)	4294963865 (0xFFFFFFFF299)
YUV	235.7410, -40.7913, 16.8901
Hunter-Lab	93.3082, -12.6555, 38.1317

Details

The Yxy color **87.0642, 0.3775, 0.4174** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **41.2522, 0.2406, 0.2215**, and the grayscale version is **83.9696, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3341, 0.3406, 0.3751**, and **47.9082, 0.3904, 0.4362** is the 20% darker color. If you saturate the color by 10%, you get **84.3967, 0.3936, 0.4377**, and if you desaturate by 10%, it is **89.9523, 0.3608, 0.3955**.

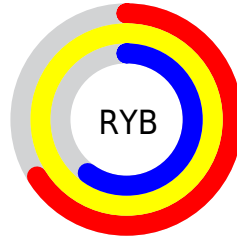
Distribution



Red (100%)

Green (95%)

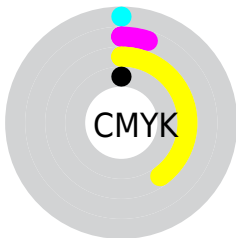
Blue (60%)



Red (66%)

Yellow (100%)

Blue (60%)

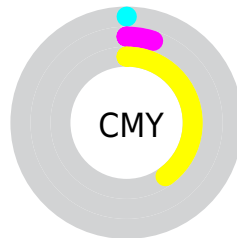


Cyan (0%)

Magenta (5%)

Yellow (40%)

Black (0%)



Cyan (0%)


Magenta (5%)

Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.0642, 0.3775, 0.4174 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 87.0642, 0.3775, 0.4174 by changing the saturation by 10% instead.


 87.0642, 0.3775,
0.4174


 87.0642, 0.3775,
0.4174


518.4338, 0.3496,
0.3780

 65.5483, 0.3832,
0.4259


 143.2536, 0.3683,
0.4041

 47.9058, 0.3900,
0.4360

 178.6960, 0.3646,
0.3989

 33.7523, 0.3979,
0.4483


219.5493, 0.3613,
0.3942

 22.7034, 0.4073,
0.4633

266.1979, 0.3584,
0.3902

 14.3747, 0.4181,
0.4819

319.0263, 0.3559,
0.3866

 8.3817, 0.4300,
0.5047

378.4188, 0.3536,

 4.3401, 0.4532,

0.3834

0.5468

444.7598, 0.3515,
0.3806

■ 1.8656, 0.4419,
0.5581

■ 0.5276, 0.3701,
0.6299

■ 87.0642, 0.3775,
0.4174

■ 87.0642, 0.3775,
0.4174

■ 84.3967, 0.3936,
0.4377

■ 89.9523, 0.3608,
0.3955

■ 81.9287, 0.4085,
0.4553

■ 93.0624, 0.3442,
0.3730

■ 79.6502, 0.4214,
0.4694

■ 96.4075, 0.3280,
0.3507

■ 77.5462, 0.4317,
0.4792

99.9968, 0.3127,
0.3290

■ 75.5990, 0.4392,
0.4844

100.0000, 0.3127,
0.3290

■ 73.7810, 0.4442,
0.4855

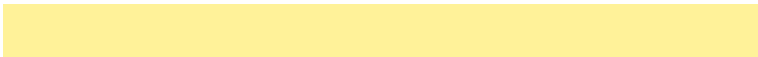
Harmonies

Analogous

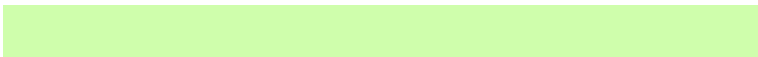
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.0642, 0.4088, 0.3909



87.0642, 0.3775, 0.4174



87.0642, 0.3301, 0.4193

Triad

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



87.0642, 0.3775, 0.4174



87.0642, 0.2215, 0.2921



87.0642, 0.3407, 0.2776

Complementary

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



87.0642, 0.3775, 0.4174



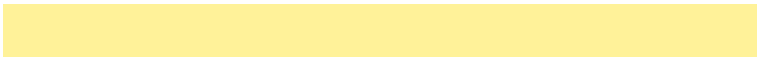
41.2522, 0.2406, 0.2215

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.



87.0642, 0.2888, 0.2545



87.0642, 0.3775, 0.4174



87.0642, 0.2237, 0.2598

Square

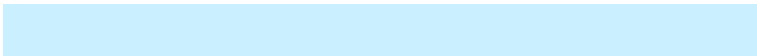
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.0642, 0.3775, 0.4174



87.0642, 0.2413, 0.3405



87.0642, 0.2471, 0.2476



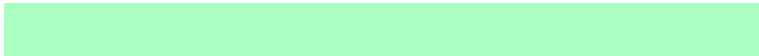
87.0642, 0.3878, 0.3123

Rectangle

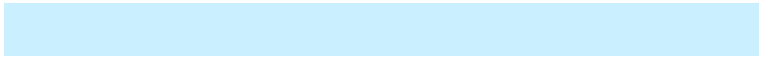
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.0642, 0.3775, 0.4174



87.0642, 0.2963, 0.4029



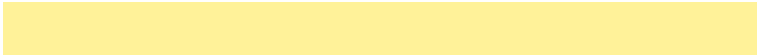
87.0642, 0.2471, 0.2476



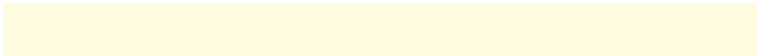
87.0642, 0.3230, 0.2683

Sweetspot

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



87.0673, 0.3775, 0.4174



95.7222, 0.3312, 0.3551



46.8097, 0.4008, 0.3150



20.3934, 0.3333, 0.3580



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

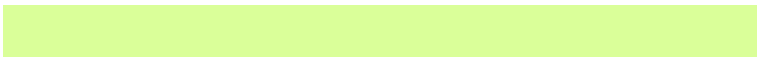
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.0673, 0.3775, 0.4174



84.9165, 0.3904, 0.4338



88.6618, 0.3472, 0.4378



20.6726, 0.3272, 0.3496



38.7069, 0.4437, 0.4859



3.8743, 0.4405, 0.4884

Inverse Universe

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



41.2522, 0.2406, 0.2215



33.4131, 0.2242, 0.1957



40.9921, 0.2650, 0.2139



17.7504, 0.2979, 0.3076



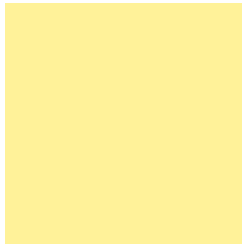
4.4407, 0.1526, 0.0694



0.5436, 0.1569, 0.0847

Previews

White Background



This preview shows how the Yxy color 87.0642, 0.3775, 0.4174 looks on a white background.

Color Contrast Check

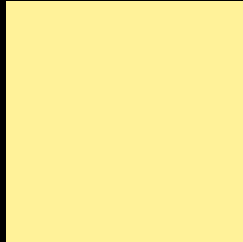
Large Text (above 18pt) WCAG AA × Fail

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 87.0642, 0.3775, 0.4174 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

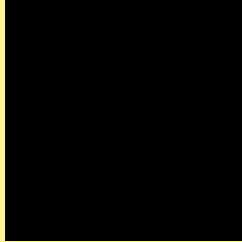
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.0642, 0.3775, 0.4174

Background



This preview shows how black text looks on a background with the Yxy color 87.0642, 0.3775, 0.4174.

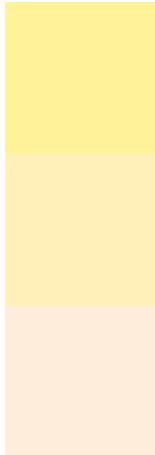


This preview shows how white text looks on a background with the Yxy color 87.0642, 0.3775, 0.4174.

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

87.0642, 0.3775, 0.4174

Protanopia

87.0830, 0.3580, 0.3842

Deuteranopia

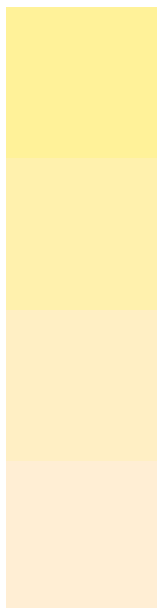
86.9957, 0.3358, 0.3459



Tritanopia

87.2692, 0.3199, 0.3193

Trichromacy



Original Color

87.0642, 0.3775, 0.4174

Protanomaly

87.1877, 0.3654, 0.3971

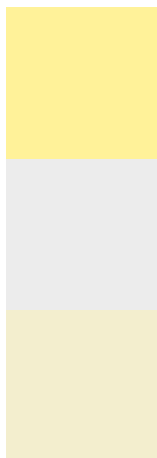
Deuteranomaly

86.9785, 0.3511, 0.3721

Tritanomaly

87.1625, 0.3408, 0.3550

Monochromacy



Original Color

87.0642, 0.3775, 0.4174

Achromatopsia

83.8799, 0.3127, 0.3290

Achromatomaly

84.6600, 0.3363, 0.3619

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.0642, 0.3775, 0.4174 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 153) }
```

Border

The CSS property to change the border of an element to Yxy 87.0642, 0.3775, 0.4174 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, 153) }
```

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

```
.border{ border-color:rgb(255, 242, 153) }
```

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, 153)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 153);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 87.0642, 0.3775, 0.4174 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, 153) }
```

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

```
.background{ background-color: rgb(255,  
242, 153) }
```

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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