

Converting Colors

$Yxy(87.5362, 0.3727, 0.4104)$

Have a look what the booklet for
Yxy(87.5362, 0.3727, 0.4104)
contains.

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Color

Yxy(87.3375, 0.3726, 0.4097)

Conversions

Conversions Part 1

Format	Color
Hex	FFF2A1
RGB	255, 242, 161
RGB Percent	100%, 95%, 63%
CMY	0.0000, 0.0510, 0.3685
CMYK	0.00, 0.05, 0.37, 0.00
HSL	52°, 100%, 82%
HSV	52°, 37%, 100%
XYZ	79.4287, 87.3375, 46.4080
YIQ	236.6530, 33.7490, -22.4350

Conversions

Conversions Part 2

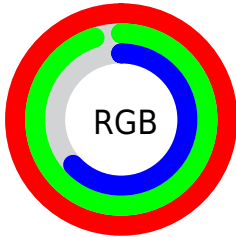
Format	Color
RYB	176, 255, 161
Decimal	16773793
CIELab	94.88, -6.98, 40.66
CIELCh	95, 41.256, 99.737
Yxy	87.3375, 0.3726, 0.4097
Android (android.graphics.Color)	4294963873 (0xFFFFF2A1)
YUV	236.6530, -37.2969, 16.0903
Hunter-Lab	93.4545, -11.8350, 35.9757

Details

The Yxy color **87.3375, 0.3726, 0.4097** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.0885, 0.2472, 0.2327**, and the grayscale version is **84.6846, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7898, 0.3352, 0.3661**, and **48.0708, 0.3847, 0.4271** is the 20% darker color. If you saturate the color by 10%, you get **84.4513, 0.3892, 0.4304**, and if you desaturate by 10%, it is **90.4546, 0.3557, 0.3878**.

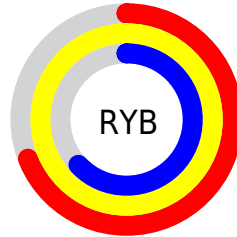
Distribution



Red (100%)

Green (95%)

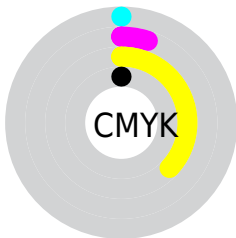
Blue (63%)



Red (69%)

Yellow (100%)

Blue (63%)

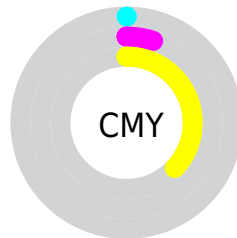


Cyan (0%)

Magenta (5%)

Yellow (37%)

Black (0%)



Cyan (0%)


Magenta (5%)


Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 87.3375, 0.3726, 0.4097 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 87.3375, 0.3726, 0.4097 by changing the saturation by 10% instead.


 87.3375, 0.3726,
0.4097


 87.3375, 0.3726,
0.4097

519.3312, 0.3466,
0.3737

 65.7745, 0.3780,
0.4175


 143.6345, 0.3640,
0.3975

 48.0894, 0.3844,
0.4269

 179.1373, 0.3605,
0.3927

 33.8977, 0.3921,
0.4383


220.0555, 0.3575,
0.3885

 22.8150, 0.4012,
0.4524

266.7734, 0.3548,
0.3848

 14.4570, 0.4122,
0.4701

319.6756, 0.3524,
0.3815

 8.4392, 0.4248,
0.4924

379.1464, 0.3503,

 4.3772, 0.4484,

0.3786

0.5326

445.5701, 0.3484,
0.3760

■ 1.8867, 0.4471,
0.5529

■ 0.5404, 0.3885,
0.6115

■ 87.3375, 0.3726,
0.4097

■ 87.3375, 0.3726,
0.4097

■ 84.4513, 0.3892,
0.4304

■ 90.4546, 0.3557,
0.3878

■ 81.7741, 0.4048,
0.4489

■ 93.8028, 0.3391,
0.3655

■ 79.2967, 0.4187,
0.4640

■ 97.3951, 0.3231,
0.3435

■ 77.0049, 0.4303,
0.4751

100.0000, 0.3127,
0.3290

■ 74.8817, 0.4391,
0.4816

■ 72.9060, 0.4450,
0.4836

■ 72.3034, 0.4466,
0.4836

Harmonies

Analogous

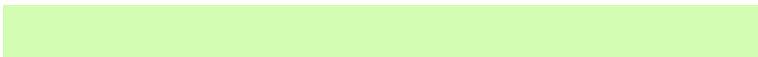
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.3375, 0.4008, 0.3860



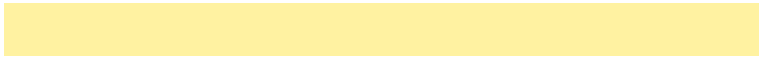
87.3375, 0.3726, 0.4097



87.3375, 0.3294, 0.4109

Triad

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



87.3375, 0.3726, 0.4097



87.3375, 0.2290, 0.2960



87.3375, 0.3380, 0.2815

Complementary

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



87.3375, 0.3726, 0.4097



45.0885, 0.2472, 0.2327

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.



87.3375, 0.2906, 0.2602



87.3375, 0.3726, 0.4097



87.3375, 0.2307, 0.2659

Square

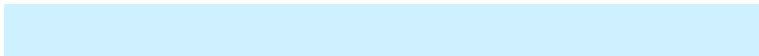
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.3375, 0.3726, 0.4097



87.3375, 0.2476, 0.3401



87.3375, 0.2523, 0.2542



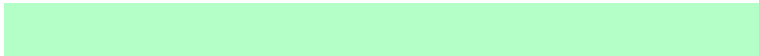
87.3375, 0.3809, 0.3137

Rectangle

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



87.3375, 0.3726, 0.4097



87.3375, 0.2985, 0.3962



87.3375, 0.2523, 0.2542



87.3375, 0.3219, 0.2730

Sweetspot

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



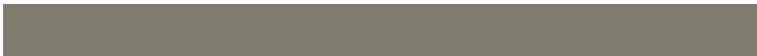
87.3410, 0.3726, 0.4097



95.8727, 0.3296, 0.3526



49.8650, 0.3893, 0.3144



20.4163, 0.3318, 0.3555



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

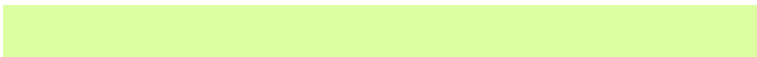
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.3410, 0.3726, 0.4097



85.2516, 0.3845, 0.4247



89.6424, 0.3458, 0.4284



20.6369, 0.3273, 0.3493



37.9454, 0.4460, 0.4840



3.8075, 0.4425, 0.4868

Inverse Universe

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



45.0885, 0.2472, 0.2327



37.6048, 0.2327, 0.2102



44.1842, 0.2684, 0.2237



17.7828, 0.2979, 0.3079



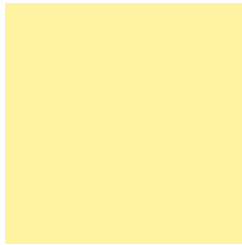
4.5317, 0.1530, 0.0707



0.5588, 0.1574, 0.0868

Previews

White Background



This preview shows how the Yxy color 87.3375, 0.3726, 0.4097 looks on a white background.

Color Contrast Check

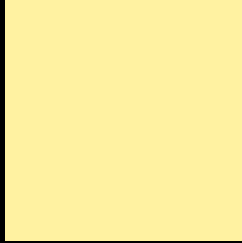
Large Text (above 18pt) WCAG AA × Fail

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 87.3375, 0.3726, 0.4097 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

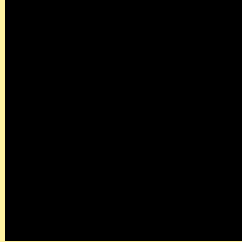
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.3375, 0.3726, 0.4097

Background



This preview shows how black text looks on a background with the Yxy color 87.3375, 0.3726, 0.4097.

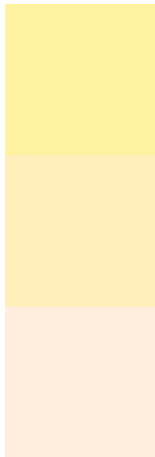


This preview shows how white text looks on a background with the Yxy color 87.3375, 0.3726, 0.4097.

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

87.3375, 0.3726, 0.4097

Protanopia

87.1680, 0.3567, 0.3822

Deuteranopia

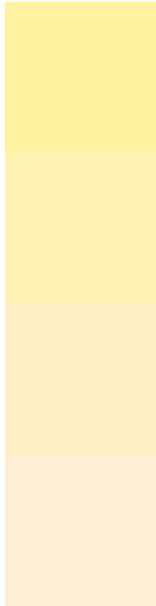
87.0488, 0.3351, 0.3449



Tritanopia

87.2692, 0.3199, 0.3193

Trichromacy



Original Color

87.3375, 0.3726, 0.4097

Protanomaly

87.3849, 0.3623, 0.3921

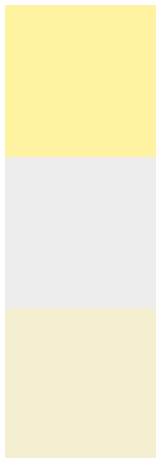
Deuteranomaly

87.1165, 0.3492, 0.3691

Tritanomaly

87.2641, 0.3395, 0.3529

Monochromacy



Original Color

87.3375, 0.3726, 0.4097

Achromatopsia

84.6873, 0.3127, 0.3290

Achromatomaly

85.5695, 0.3350, 0.3597

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.3375, 0.3726, 0.4097 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, 161)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 161)  
}
```

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, 161) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 161) }
```

Border

The CSS property to change the border of an element to Yxy 87.3375, 0.3726, 0.4097 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, 161) }
```

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

```
.border{ border-color:rgb(255, 242, 161) }
```

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, 161)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 161); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 161);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
161) }
```


Background

The CSS property to change the background color of an element to Yxy 87.3375, 0.3726, 0.4097 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, 161) }
```

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

```
.background{ background-color: rgb(255,  
242, 161) }
```

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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