

Converting Colors

$Y_{xy}(109.5749, 0.4203, 0.4077)$

Have a look what the booklet for
Yxy(109.5749, 0.4203, 0.4077)
contains.

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Color

Yxy(93.8771, 0.3724, 0.4249)

Conversions

Conversions Part 1

Format	Color
Hex	FFFD9B
RGB	255, 253, 155
RGB Percent	100%, 99%, 61%
CMY	0.0000, 0.0078, 0.3922
CMYK	0.00, 0.01, 0.39, 0.00
HSL	59°, 100%, 80%
HSV	59°, 39%, 100%
XYZ	82.2778, 93.8771, 44.7844
YIQ	242.4260, 32.6500, -30.0540

Conversions

Conversions Part 2

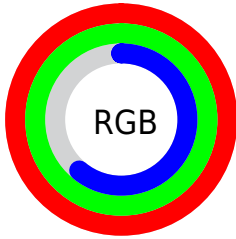
Format	Color
RYB	157, 255, 155
Decimal	16776603
CIELab	97.58, -13.06, 47.09
CIElCh	98, 48.871, 105.494
Yxy	93.8771, 0.3724, 0.4249
Android (android.graphics.Color)	4294966683 (0xFFFFFD9B)
YUV	242.4260, -43.1010, 11.0274
Hunter-Lab	96.8902, -17.9782, 40.4182

Details

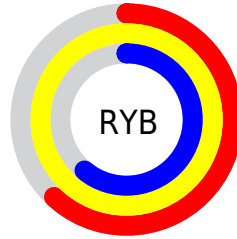
The Yxy color **93.8771, 0.3724, 0.4249** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.2871, 0.2402, 0.2108**, and the grayscale version is **89.4775, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.4831, 0.3388, 0.3721**, and **52.7621, 0.3830, 0.4452** is the 20% darker color. If you saturate the color by 10%, you get **92.7948, 0.3863, 0.4470**, and if you desaturate by 10%, it is **95.1496, 0.3574, 0.4010**.

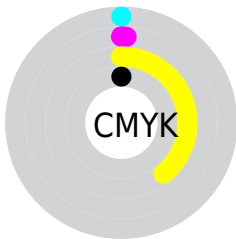
Distribution



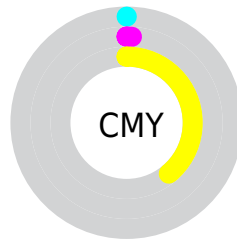
- Red (100%)
- Green (99%)
- Blue (61%)



- Red (62%)
- Yellow (100%)
- Blue (61%)



- Cyan (0%)
- Magenta (1%)
- Yellow (39%)
- Black (0%)





- Cyan (0%)
- Magenta (1%)
- Yellow (39%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 93.8771, 0.3724, 0.4249 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 93.8771, 0.3724, 0.4249 by changing the saturation by 10% instead.


 93.8771, 0.3724,
0.4249

 93.8771, 0.3724,
0.4249


540.5639, 0.3474,
0.3823

 71.2007, 0.3774,
0.4340


 152.7124, 0.3643,
0.4106

 52.5060, 0.3831,
0.4449


 189.6400, 0.3610,
0.4049

 37.4086, 0.3898,
0.4581


232.0870, 0.3581,
0.3999

 25.5240, 0.3974,
0.4743

280.4375, 0.3555,
0.3956

 16.4679, 0.4058,
0.4943

335.0761, 0.3531,
0.3917

 9.8558, 0.4143,
0.5191

396.3871, 0.3510,

 5.3035, 0.4322,

0.3882

0.5644

464.7549, 0.3492,
0.3851

■ 2.4264, 0.4172,
0.5828

■ 0.8394, 0.3634,
0.6366

■ 93.8771, 0.3724,
0.4249

■ 93.8771, 0.3724,
0.4249

■ 92.7948, 0.3863,
0.4470

■ 95.1496, 0.3574,
0.4010

■ 91.8785, 0.3985,
0.4661

■ 96.6101, 0.3419,
0.3762

■ 91.1197, 0.4084,
0.4816

■ 98.2725, 0.3265,
0.3513

■ 90.5036, 0.4158,
0.4927

99.9983, 0.3127,
0.3290

■ 90.0130, 0.4204,
0.4994

■ 89.6217, 0.4227,
0.5023

■ 89.5929, 0.4229,
0.5024

Harmonies

Analogous

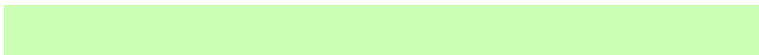
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.8771, 0.4097, 0.4002



93.8771, 0.3724, 0.4249



93.8771, 0.3209, 0.4214

Triad

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



93.8771, 0.3724, 0.4249



93.8771, 0.2157, 0.2821



93.8771, 0.3522, 0.2809

Complementary

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



93.8771, 0.3724, 0.4249



38.2871, 0.2402, 0.2108

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.



93.8771, 0.2969, 0.2542



93.8771, 0.3724, 0.4249



93.8771, 0.2222, 0.2522

Square

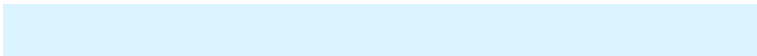
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.8771, 0.3724, 0.4249



93.8771, 0.2321, 0.3308



93.8771, 0.2504, 0.2435



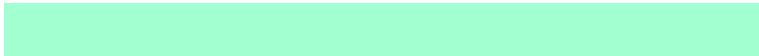
93.8771, 0.3991, 0.3188

Rectangle

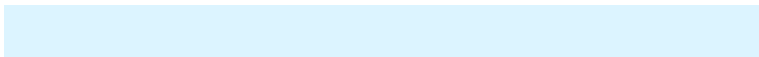
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.8771, 0.3724, 0.4249



93.8771, 0.2859, 0.4002



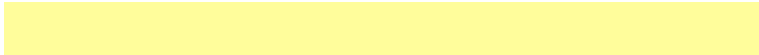
93.8771, 0.2504, 0.2435



93.8771, 0.3337, 0.2705

Sweetspot

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



93.8814, 0.3724, 0.4249



97.7975, 0.3308, 0.3582



47.1742, 0.4085, 0.3258



20.8853, 0.3328, 0.3614



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

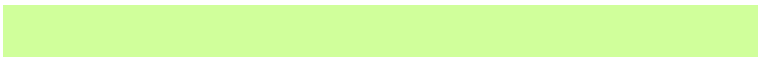
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.8814, 0.3724, 0.4249



93.0284, 0.3833, 0.4423



87.3365, 0.3399, 0.4380



21.0253, 0.3270, 0.3520



46.8460, 0.4228, 0.5025



4.5801, 0.4224, 0.5028

Inverse Universe

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



38.2871, 0.2402, 0.2108



30.4239, 0.2234, 0.1832



43.1640, 0.2739, 0.2188



17.4353, 0.2978, 0.3049



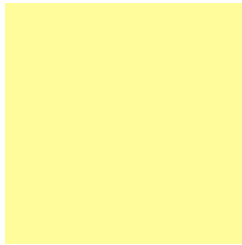
3.8548, 0.1503, 0.0612



0.3947, 0.1511, 0.0640

Previews

White Background



This preview shows how the Yxy color 93.8771, 0.3724, 0.4249 looks on a white background.

Color Contrast Check

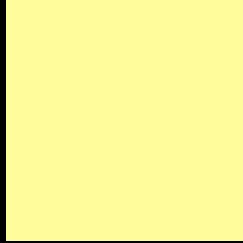
Large Text (above 18pt) WCAG AA × Fail

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 93.8771, 0.3724, 0.4249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

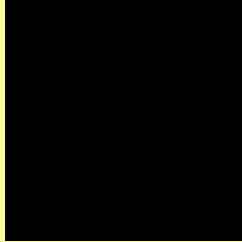
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 93.8771, 0.3724, 0.4249

Background



This preview shows how black text looks on a background with the Yxy color 93.8771, 0.3724, 0.4249.



This preview shows how white text looks on a background with the Yxy color 93.8771, 0.3724, 0.4249.

Color Blindness Simulation

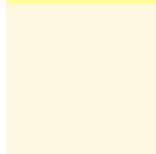
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



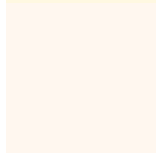
Original Color

93.8771, 0.3724, 0.4249



Protanopia

93.8310, 0.3312, 0.3515



Deuteranopia

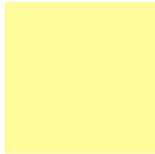
94.0135, 0.3227, 0.3368



Tritanopia

93.5931, 0.3150, 0.3223

Trichromacy



Original Color

93.8771, 0.3724, 0.4249



Protanomaly

93.8013, 0.3463, 0.3784



Deuteranomaly

93.5654, 0.3416, 0.3695



Tritanomaly

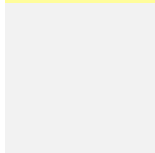
93.4046, 0.3361, 0.3595

Monochromacy



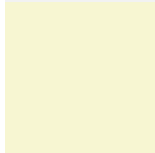
Original Color

93.8771, 0.3724, 0.4249



Achromatopsia

88.7923, 0.3127, 0.3290



Achromatomaly

90.3388, 0.3354, 0.3653

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.8771, 0.3724, 0.4249 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, 253, 155)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 155)  
}
```

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, 253, 155) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 155) }
```

Border

The CSS property to change the border of an element to Yxy 93.8771, 0.3724, 0.4249 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, 253, 155) }
```

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

```
.border{ border-color:rgb(255, 253, 155) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 253, 155)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 155); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 155);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
155) }
```


Background

The CSS property to change the background color of an element to Yxy 93.8771, 0.3724, 0.4249 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 253, 155) }
```

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

```
.background{ background-color: rgb(255,  
253, 155) }
```

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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