

Converting Colors

$Yxy(89.7754, 0.3875, 0.4416)$

Have a look what the booklet for
Yxy(89.7754, 0.3875, 0.4416)
contains.

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Color

Yxy(90.0335, 0.3875, 0.4421)

Conversions

Conversions Part 1

Format	Color
Hex	FFF883
RGB	255, 248, 131
RGB Percent	100%, 97%, 51%
CMY	0.0000, 0.0275, 0.4861
CMYK	0.00, 0.03, 0.49, 0.00
HSL	57°, 100%, 76%
HSV	57°, 49%, 100%
XYZ	78.9142, 90.0335, 34.7019
YIQ	236.7550, 41.7290, -34.9030

Conversions

Conversions Part 2

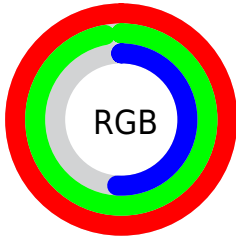
Format	Color
R _Y B	138, 255, 131
Decimal	16775299
CIE Lab	96.01, -12.86, 56.51
CIE LCh	96, 57.954, 102.825
Yxy	90.0335, 0.3875, 0.4421
Android (android.graphics.Color)	4294965379 (0xFFFFFFFF883)
YUV	236.7550, -52.1372, 16.0009
Hunter-Lab	94.8860, -17.5966, 44.7365

Details

The Yxy color **90.0335, 0.3875, 0.4421** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **30.2352, 0.2209, 0.1830**, and the grayscale version is **84.8745, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3252, 0.3538, 0.3969**, and **49.9851, 0.3997, 0.4647** is the 20% darker color. If you saturate the color by 10%, you get **88.5406, 0.4007, 0.4611**, and if you desaturate by 10%, it is **91.6999, 0.3727, 0.4204**.

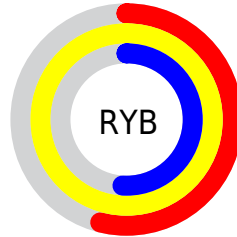
Distribution



Red (100%)

Green (97%)

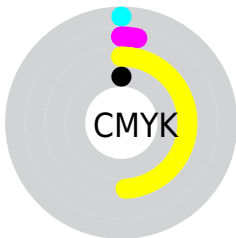
Blue (51%)



Red (54%)

Yellow (100%)

Blue (51%)

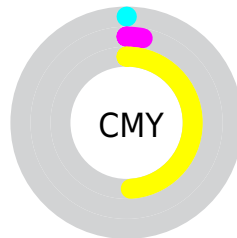


Cyan (0%)

Magenta (3%)

Yellow (49%)

Black (0%)



Cyan (0%)


Magenta (3%)


Yellow (49%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.0335, 0.3875, 0.4421 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 90.0335, 0.3875, 0.4421 by changing the saturation by 10% instead.

 90.0335, 0.3875,
0.4421


 90.0335, 0.3875,
0.4421


528.1398, 0.3566,
0.3923


 68.0084, 0.3934,
0.4525


 147.3849, 0.3776,
0.4255

 49.9046, 0.4002,
0.4648


 183.4801, 0.3735,
0.4189

 35.3376, 0.4077,
0.4794


 225.0340, 0.3699,
0.4130

 23.9230, 0.4158,
0.4967

272.4312, 0.3667,
0.4079

 15.2765, 0.4239,
0.5171

326.0560, 0.3637,
0.4033

 9.0137, 0.4328,
0.5437

386.2927, 0.3611,

 4.7501, 0.4324,

0.3993

0.5676

453.5259, 0.3587,
0.3956

■ 2.1014, 0.4147,
0.5853

■ 0.6654, 0.3236,
0.6764

■ 90.0335, 0.3875,
0.4421

■ 90.0335, 0.3875,
0.4421

■ 88.5406, 0.4007,
0.4611

■ 91.6999, 0.3727,
0.4204

■ 87.2137, 0.4118,
0.4765

■ 93.5564, 0.3572,
0.3971

■ 86.0365, 0.4203,
0.4876

■ 95.6118, 0.3413,
0.3730

■ 84.9918, 0.4261,
0.4942

■ 97.8756, 0.3257,
0.3491

■ 84.0553, 0.4294,
0.4968

100.0000, 0.3127,
0.3290

■ 83.9296, 0.4297,
0.4970

Harmonies

Analogous

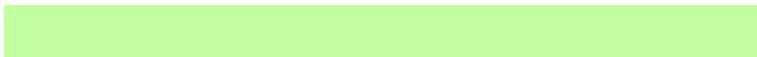
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.0335, 0.4306, 0.4081



90.0335, 0.3875, 0.4421



90.0335, 0.3268, 0.4439

Triad

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



90.0335, 0.3875, 0.4421



90.0335, 0.1991, 0.2761



90.0335, 0.3538, 0.2687

Complementary

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



90.0335, 0.3875, 0.4421



30.2352, 0.2209, 0.1830

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.



90.0335, 0.2877, 0.2392



90.0335, 0.3875, 0.4421



90.0335, 0.2044, 0.2397

Square

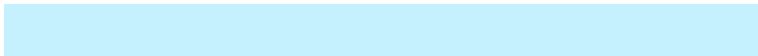
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.0335, 0.3875, 0.4421



90.0335, 0.2199, 0.3361



90.0335, 0.2348, 0.2283



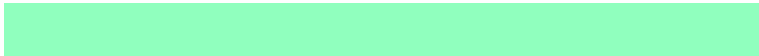
90.0335, 0.4127, 0.3115

Rectangle

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



90.0335, 0.3875, 0.4421



90.0335, 0.2849, 0.4207



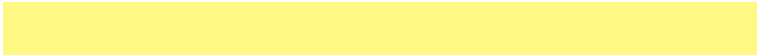
90.0335, 0.2348, 0.2283



90.0335, 0.3313, 0.2571

Sweetspot

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



90.0318, 0.3875, 0.4421



96.4056, 0.3356, 0.3643



39.3739, 0.4404, 0.3209



20.5350, 0.3389, 0.3694



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.



90.0318, 0.3875, 0.4421



88.6274, 0.3999, 0.4600



85.6160, 0.3474, 0.4646



20.9045, 0.3271, 0.3512



43.9310, 0.4296, 0.4971



4.3289, 0.4283, 0.4981

Inverse Universe

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



30.2352, 0.2209, 0.1830



22.7178, 0.2015, 0.1510



33.7446, 0.2583, 0.1890



17.5423, 0.2978, 0.3058



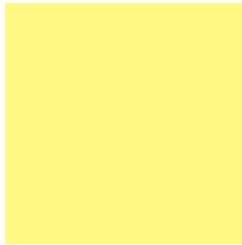
4.0075, 0.1509, 0.0633



0.4455, 0.1531, 0.0713

Previews

White Background



This preview shows how the Yxy color 90.0335, 0.3875, 0.4421 looks on a white background.

Color Contrast Check

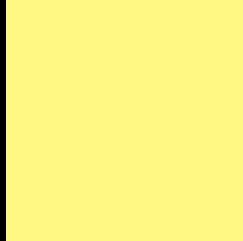
Large Text (above 18pt) WCAG AA × Fail

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 90.0335, 0.3875, 0.4421 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

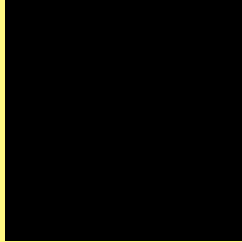
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.0335, 0.3875, 0.4421

Background



This preview shows how black text looks on a background with the Yxy color 90.0335, 0.3875, 0.4421.

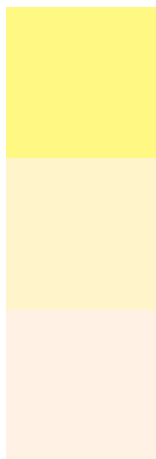


This preview shows how white text looks on a background with the Yxy color 90.0335, 0.3875, 0.4421.

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

90.0335, 0.3875, 0.4421

Protanopia

90.2256, 0.3462, 0.3708

Deuteranopia

89.7166, 0.3308, 0.3428



Tritanopia

89.7703, 0.3177, 0.3203

Trichromacy



Original Color

90.0335, 0.3875, 0.4421



Protanomaly

89.6994, 0.3624, 0.3978



Deuteranomaly

89.7671, 0.3526, 0.3809



Tritanomaly

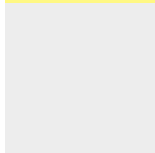
89.1720, 0.3447, 0.3659

Monochromacy



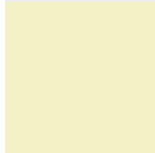
Original Color

90.0335, 0.3875, 0.4421



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.2209, 0.3417, 0.3731

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.0335, 0.3875, 0.4421 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, 248, 131)` looks like.

```
.text, #text, p{  
    color:rgb(255, 248, 131)  
}
```

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, 248, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 248, 131) }
```

Border

The CSS property to change the border of an element to Yxy 90.0335, 0.3875, 0.4421 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, 248, 131) }
```

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

```
.border{ border-color:rgb(255, 248, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 248, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 248, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 248, 131);  
box-shadow:4px 4px 4px 4px rgb(255, 248,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 90.0335, 0.3875, 0.4421 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 248, 131) }
```

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

```
.background{ background-color: rgb(255,  
248, 131) }
```

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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