

Converting Colors

$Y_{xy}(84.4540, 0.4180, 0.4217)$

Have a look what the booklet for
Yxy(84.4540, 0.4180, 0.4217)
contains.

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Color

Yxy(78.8309, 0.3986, 0.4299)

Conversions

Conversions Part 1

Format	Color
Hex	FFE57F
RGB	255, 229, 127
RGB Percent	100%, 90%, 50%
CMY	0.0000, 0.1019, 0.5019
CMYK	0.00, 0.10, 0.50, 0.00
HSL	48°, 100%, 75%
HSV	48°, 50%, 100%
XYZ	73.0914, 78.8309, 31.4480
YIQ	225.1460, 48.2380, -26.2100

Conversions

Conversions Part 2

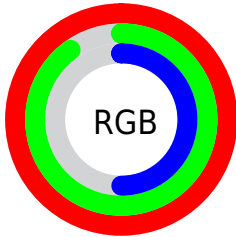
Format	Color
R_{YB}	160, 255, 127
Decimal	16770431
CIE _{Lab}	91.16, -3.80, 52.55
CIE _{LCh}	91, 52.689, 94.138
Yxy	78.8309, 0.3986, 0.4299
Android (android.graphics.Color)	4294960511 (0xFFFFE57F)
YUV	225.1460, -48.3860, 26.1820
Hunter-Lab	88.7868, -8.4313, 41.1504

Details

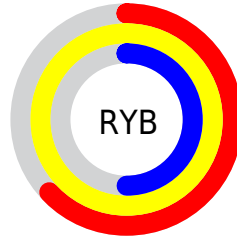
The Yxy color **78.8309, 0.3986, 0.4299** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **34.5208, 0.2221, 0.2007**, and the grayscale version is **75.7375, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1574, 0.3561, 0.4008**, and **42.5159, 0.4146, 0.4500** is the 20% darker color. If you saturate the color by 10%, you get **75.4275, 0.4156, 0.4464**, and if you desaturate by 10%, it is **82.4949, 0.3807, 0.4109**.

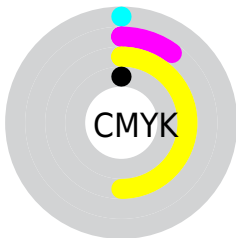
Distribution



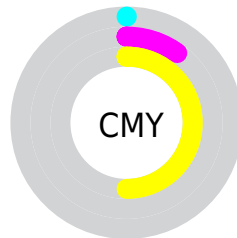
- Red (100%)
- Green (90%)
- Blue (50%)



- Red (63%)
- Yellow (100%)
- Blue (50%)



- Cyan (0%)
- Magenta (10%)
- Yellow (50%)
- Black (0%)




- Cyan (0%)
- Magenta (10%)
- Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 78.8309, 0.3986, 0.4299 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 78.8309, 0.3986, 0.4299 by changing the saturation by 10% instead.


 78.8309, 0.3986,
0.4299


 78.8309, 0.3986,
0.4299


490.9841, 0.3613,
0.3853


 58.7568, 0.4062,
0.4392


 131.7208, 0.3863,
0.4150

 42.4174, 0.4150,
0.4502


 165.3053, 0.3814,
0.4091

 29.4282, 0.4252,
0.4631


 204.1621, 0.3770,
0.4038

 19.4050, 0.4369,
0.4783

248.6756, 0.3731,
0.3992

 11.9633, 0.4496,
0.4956

299.2302, 0.3697,
0.3951

 6.7187, 0.4702,
0.5235

356.2102, 0.3666,

 3.2868, 0.4693,

0.3915

0.5307

420.0000, 0.3638,
0.3882

■ 1.2832, 0.4626,
0.5374

■ 0.1282, 0.1846,
0.8154

■ 78.8309, 0.3986,
0.4299

■ 78.8309, 0.3986,
0.4299

■ 75.4275, 0.4156,
0.4464

■ 82.4949, 0.3807,
0.4109

■ 72.2608, 0.4310,
0.4595

■ 86.4216, 0.3627,
0.3906

■ 69.3185, 0.4440,
0.4682

■ 90.6256, 0.3452,
0.3698

■ 66.5823, 0.4541,
0.4721

■ 95.1174, 0.3285,
0.3492

■ 64.0690, 0.4614,
0.4719

99.9069, 0.3130,
0.3294

100.0000, 0.3127,
0.3290

Harmonies

Analogous

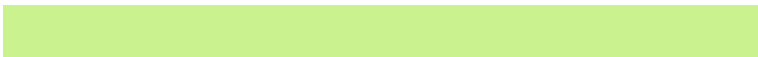
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



78.8309, 0.4317, 0.3926



78.8309, 0.3986, 0.4299



78.8309, 0.3441, 0.4415

Triad

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



78.8309, 0.3986, 0.4299



78.8309, 0.2073, 0.2936



78.8309, 0.3334, 0.2616

Complementary

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



78.8309, 0.3986, 0.4299



34.5208, 0.2221, 0.2007

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.



78.8309, 0.2725, 0.2380



78.8309, 0.3986, 0.4299



78.8309, 0.2051, 0.2515

Square

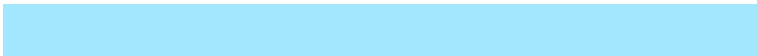
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



78.8309, 0.3986, 0.4299



78.8309, 0.2347, 0.3547



78.8309, 0.2275, 0.2336



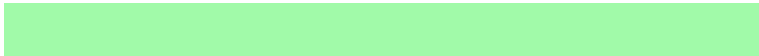
78.8309, 0.3936, 0.2997

Rectangle

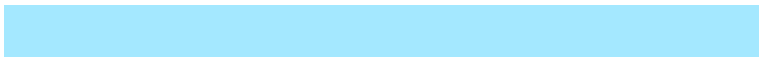
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



78.8309, 0.3986, 0.4299



78.8309, 0.3037, 0.4274



78.8309, 0.2275, 0.2336



78.8309, 0.3121, 0.2519

Sweetspot

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



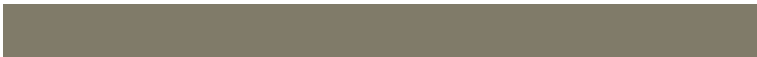
78.8343, 0.3986, 0.4299



92.9196, 0.3364, 0.3590



38.8020, 0.4241, 0.3007



19.6871, 0.3399, 0.3634



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

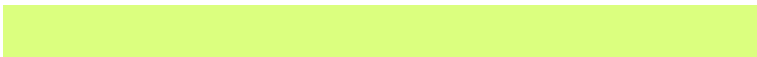
The Same Dimension uses a secret algorithm to generate beautiful new colors.



78.8343, 0.3986, 0.4299



75.4894, 0.4153, 0.4462



88.0724, 0.3612, 0.4629



20.4271, 0.3274, 0.3478



33.6967, 0.4605, 0.4725



3.4320, 0.4549, 0.4770

Inverse Universe

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



34.5208, 0.2221, 0.2007



26.8408, 0.2035, 0.1711



30.2201, 0.2410, 0.1785



17.9752, 0.2979, 0.3095



5.2135, 0.1555, 0.0799



0.6539, 0.1609, 0.0991

Previews

White Background



This preview shows how the Yxy color 78.8309, 0.3986, 0.4299 looks on a white background.

Color Contrast Check

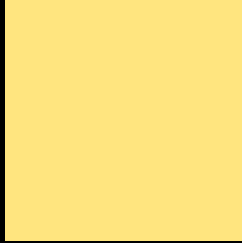
Large Text (above 18pt) WCAG AA × Fail

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 78.8309, 0.3986, 0.4299 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 78.8309, 0.3986, 0.4299

Background



This preview shows how black text looks on a background with the Yxy color 78.8309, 0.3986, 0.4299.



This preview shows how white text looks on a background with the Yxy color 78.8309, 0.3986, 0.4299.

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

78.8309, 0.3986, 0.4299

Protanopia

79.0086, 0.3966, 0.4314

Deuteranopia

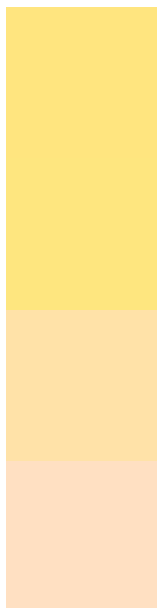
78.8720, 0.3577, 0.3637



Tritanopia

78.7991, 0.3297, 0.3181

Trichromacy



Original Color

78.8309, 0.3986, 0.4299

Protanomaly

79.1968, 0.3974, 0.4311

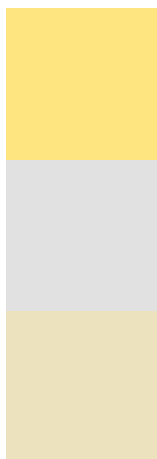
Deuteranomaly

78.4799, 0.3734, 0.3881

Tritanomaly

78.4664, 0.3558, 0.3596

Monochromacy



Original Color

78.8309, 0.3986, 0.4299

Achromatopsia

75.2942, 0.3127, 0.3290

Achromatomaly

75.8997, 0.3447, 0.3686

CSS Examples

Text

The CSS property to change the color of the text to Yxy 78.8309, 0.3986, 0.4299 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, 229, 127)` looks like.

```
.text, #text, p{  
    color:rgb(255, 229, 127)  
}
```

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, 229, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 229, 127) }
```

Border

The CSS property to change the border of an element to Yxy 78.8309, 0.3986, 0.4299 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, 229, 127) }
```

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

```
.border{ border-color:rgb(255, 229, 127) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 229, 127)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 229, 127); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 229, 127); box-shadow:4px 4px 4px 4px rgb(255, 229, 127) }
```


Background

The CSS property to change the background color of an element to Yxy 78.8309, 0.3986, 0.4299 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 229, 127) }
```

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

```
.background{ background-color: rgb(255,  
229, 127) }
```

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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