

Converting Colors

Yxy(87.9636, 0.3791, 0.4247)

Have a look what the booklet for
Yxy(87.9636, 0.3791, 0.4247)
contains.

Yxy(87.8788, 0.3795, 0.4249)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(87.8788, 0.3795, 0.4249)

Conversions

Conversions Part 1

Format	Color
Hex	FEF493
RGB	254, 244, 147
RGB Percent	100%, 96%, 58%
CMY	0.0040, 0.0431, 0.4233
CMYK	0.00, 0.04, 0.42, 0.00
HSL	54°, 98%, 79%
HSV	54°, 42%, 100%
XYZ	78.4891, 87.8788, 40.4544
YIQ	235.9320, 37.0970, -28.0470

Conversions

Conversions Part 2

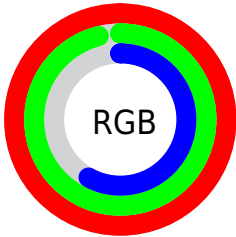
Format	Color
R _Y B	158, 254, 147
Decimal	16708755
CIE Lab	95.11, -9.83, 47.79
CIE LCh	95, 48.789, 101.621
Yxy	87.8788, 0.3795, 0.4249
Android (android.graphics.Color)	4294898835 (0xFFFEF493)
YUV	235.9320, -43.8435, 15.8456
Hunter-Lab	93.7437, -14.5982, 40.0344

Details

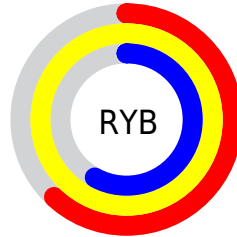
The Yxy color **87.8788, 0.3795, 0.4249** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **37.4898, 0.2356, 0.2103**, and the grayscale version is **84.1514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.0443, 0.3442, 0.3810**, and **48.5104, 0.3925, 0.4451** is the 20% darker color. If you saturate the color by 10%, you get **85.7545, 0.3946, 0.4452**, and if you desaturate by 10%, it is **90.2055, 0.3635, 0.4027**.

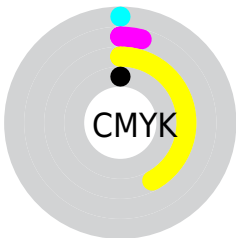
Distribution



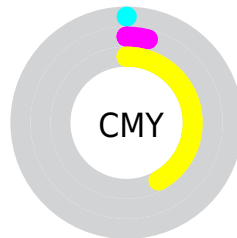
- Red (100%)
- Green (96%)
- Blue (58%)



- Red (62%)
- Yellow (100%)
- Blue (58%)



- Cyan (0%)
- Magenta (4%)
- Yellow (42%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.8788, 0.3795, 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 87.8788, 0.3795, 0.4249 by changing the saturation by 10% instead.


 87.8788, 0.3795,
0.4249


 87.8788, 0.3795,
0.4249


521.1062, 0.3511,
0.3822

 66.2227, 0.3852,
0.4340

 144.3884, 0.3702,
0.4106

 48.4532, 0.3919,
0.4449


 180.0107, 0.3664,
0.4048

 34.1859, 0.3997,
0.4581


221.0572, 0.3631,
0.3998

 23.0365, 0.4086,
0.4741


267.9123, 0.3601,
0.3955

 14.6204, 0.4186,
0.4937

320.9603, 0.3575,
0.3916

 8.5534, 0.4288,
0.5173

380.5857, 0.3551,

 4.4511, 0.4447,

0.3881

0.5553

447.1729, 0.3530,
0.3850

■ 1.9290, 0.4307,
0.5693

■ 0.5657, 0.3449,
0.6551

■ 87.8788, 0.3795,
0.4249

■ 87.8788, 0.3795,
0.4249

■ 85.7545, 0.3946,
0.4452

■ 90.2055, 0.3635,
0.4027

■ 83.8088, 0.4081,
0.4626

■ 92.7332, 0.3472,
0.3795

■ 82.0325, 0.4195,
0.4762

■ 95.4758, 0.3312,
0.3563

■ 80.4104, 0.4282,
0.4854

■ 98.4426, 0.3158,
0.3336

■ 78.9241, 0.4340,
0.4901

99.8073, 0.3121,
0.3290

■ 77.8238, 0.4370,
0.4912

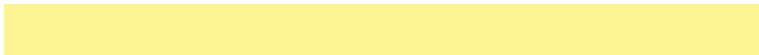
Harmonies

Analogous

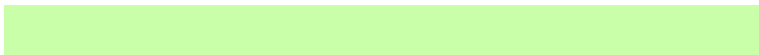
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8788, 0.4147, 0.3969



87.8788, 0.3795, 0.4249



87.8788, 0.3280, 0.4259

Triad

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



87.8788, 0.3795, 0.4249



87.8788, 0.2148, 0.2866



87.8788, 0.3457, 0.2758

Complementary

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



87.8788, 0.3795, 0.4249



37.4898, 0.2356, 0.2103

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.



87.8788, 0.2897, 0.2504



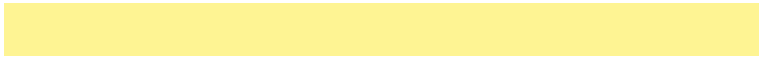
87.8788, 0.3795, 0.4249



87.8788, 0.2184, 0.2534

Square

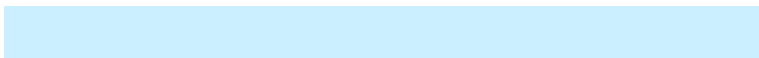
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.8788, 0.3795, 0.4249



87.8788, 0.2344, 0.3380



87.8788, 0.2444, 0.2419



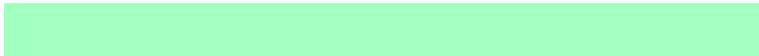
87.8788, 0.3958, 0.3131

Rectangle

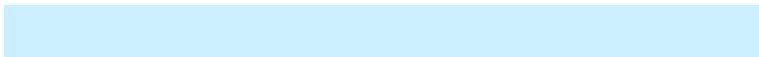
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.8788, 0.3795, 0.4249



87.8788, 0.2919, 0.4071



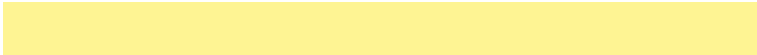
87.8788, 0.2444, 0.2419



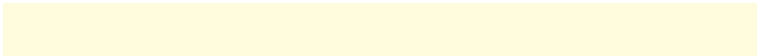
87.8788, 0.3267, 0.2657

Sweetspot

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



87.8828, 0.3795, 0.4249



96.0890, 0.3326, 0.3584



44.4149, 0.4114, 0.3180



20.4331, 0.3361, 0.3635



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.



87.8828, 0.3795, 0.4249



86.7629, 0.3930, 0.4431



86.8611, 0.3463, 0.4447



20.7839, 0.3271, 0.3503



41.1542, 0.4367, 0.4914



4.0880, 0.4345, 0.4932

Inverse Universe

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



37.4898, 0.2356, 0.2103



29.4903, 0.2170, 0.1805



38.9673, 0.2646, 0.2082



17.6501, 0.2979, 0.3067



4.2000, 0.1517, 0.0661



0.4964, 0.1551, 0.0783

Previews

White Background



This preview shows how the Yxy color 87.8788, 0.3795, 0.4249 looks on a white background.

Color Contrast Check

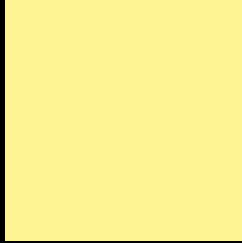
Large Text (above 18pt) WCAG AA × Fail

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 87.8788, 0.3795, 0.4249 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

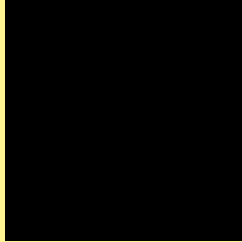
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 87.8788, 0.3795, 0.4249

Background



This preview shows how black text looks on a background with the Yxy color 87.8788, 0.3795, 0.4249.

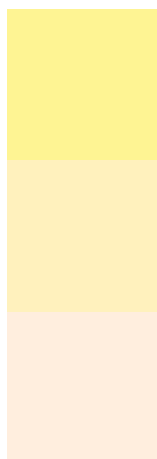


This preview shows how white text looks on a background with the Yxy color 87.8788, 0.3795, 0.4249.

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

87.8788, 0.3795, 0.4249

Protanopia

87.8447, 0.3552, 0.3811

Deuteranopia

87.6830, 0.3343, 0.3449



Tritanopia

87.9047, 0.3192, 0.3193

Trichromacy



Original Color

87.8788, 0.3795, 0.4249



Protanomaly

87.8203, 0.3645, 0.3970



Deuteranomaly

87.5203, 0.3516, 0.3741



Tritanomaly

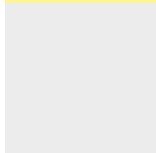
87.6461, 0.3420, 0.3579

Monochromacy



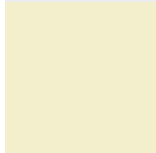
Original Color

87.8788, 0.3795, 0.4249



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.1473, 0.3375, 0.3650

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.8788, 0.3795, 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(254, 244, 147)` looks like.

```
.text, #text, p{  
    color:rgb(254, 244, 147)  
}
```

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(254, 244, 147) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(254, 244, 147) }
```

Border

The CSS property to change the border of an element to Yxy 87.8788, 0.3795, 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(254, 244, 147) }
```

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

```
.border{ border-color:rgb(254, 244, 147) }
```

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

Here you see how a box with a 4 pixel `rgb(254, 244, 147)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(254, 244, 147); -webkit-box-  
shadow:4px 4px 4px 4px rgb(254, 244, 147);  
box-shadow:4px 4px 4px 4px rgb(254, 244,  
147) }
```


Background

The CSS property to change the background color of an element to Yxy 87.8788, 0.3795, 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(254, 244, 147) }
```

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

```
.background{ background-color: rgb(254,  
244, 147) }
```

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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