

Converting Colors

$Yxy(87.8767, 0.3741, 0.4338)$

Have a look what the booklet for
Yxy(87.8767, 0.3741, 0.4338)
contains.

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Color

Yxy(87.9172, 0.3742, 0.4336)

Conversions

Conversions Part 1

Format	Color
Hex	F5F78F
RGB	245, 247, 143
RGB Percent	96%, 97%, 56%
CMY	0.0393, 0.0313, 0.4391
CMYK	0.01, 0.00, 0.42, 0.03
HSL	61°, 87%, 76%
HSV	61°, 42%, 97%
XYZ	75.8732, 87.9172, 38.9707
YIQ	234.5460, 32.1920, -32.7680

Conversions

Conversions Part 2

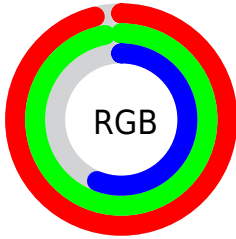
Format	Color
R _Y B	143, 247, 145
Decimal	16119695
CIE Lab	95.13, -15.17, 49.60
CIE LCh	95, 51.864, 107.005
Yxy	87.9172, 0.3742, 0.4336
Android (android.graphics.Color)	4294309775 (0xFFFF5F78F)
YUV	234.5460, -45.1322, 9.1682
Hunter-Lab	93.7642, -19.6466, 40.9926

Details

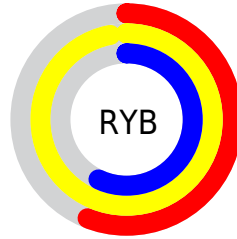
The Yxy color **87.9172, 0.3742, 0.4336** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **32.3970, 0.2351, 0.1988**, and the grayscale version is **83.0490, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.8572, 0.3466, 0.3850**, and **48.5646, 0.3850, 0.4563** is the 20% darker color. If you saturate the color by 10%, you get **87.1666, 0.3869, 0.4555**, and if you desaturate by 10%, it is **88.8409, 0.3602, 0.4096**.

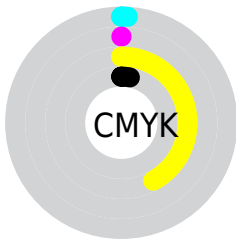
Distribution



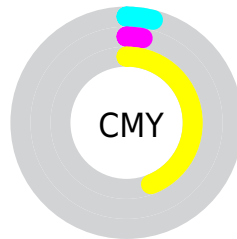
- Red (96%)
- Green (97%)
- Blue (56%)



- Red (56%)
- Yellow (97%)
- Blue (57%)



- Cyan (1%)
- Magenta (0%)
- Yellow (42%)
- Black (3%)





- Cyan (4%)
- Magenta (3%)
- Yellow (44%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 87.9172, 0.3742, 0.4336 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 87.9172, 0.3742, 0.4336 by changing the saturation by 10% instead.

 87.9172, 0.3742,
0.4336


 87.9172, 0.3742,
0.4336


521.2320, 0.3485,
0.3866

 66.2545, 0.3792,
0.4437


 144.4419, 0.3659,
0.4177

 48.4790, 0.3850,
0.4559


 180.0726, 0.3625,
0.4114

 34.2064, 0.3916,
0.4706


221.1282, 0.3595,
0.4059

 23.0522, 0.3989,
0.4887

267.9930, 0.3568,
0.4011

 14.6321, 0.4065,
0.5109

321.0514, 0.3544,
0.3968

 8.5616, 0.4133,
0.5385


380.6877, 0.3522,


 4.4563, 0.4209,


0.3930


0.5791

447.2865, 0.3503,
0.3896


 1.9320, 0.3987,
0.6013


 0.5675, 0.2296,
0.7704


 87.9172, 0.3742,
0.4336


 87.9172, 0.3742,
0.4336


 87.1666, 0.3869,
0.4555

 88.8409, 0.3602,
0.4096

 86.5661, 0.3976,
0.4742


 89.9355, 0.3454,
0.3844


 86.1074, 0.4060,
0.4891


 91.2143, 0.3304,
0.3590


 85.7765, 0.4118,
0.4995

 92.6858, 0.3157,
0.3341

 85.5563, 0.4149,
0.5056

 93.5921, 0.3083,
0.3212

 85.4400, 0.4159,
0.5080

 93.6798, 0.3086,
0.3213

 93.7677, 0.3089,
0.3213

 93.8558, 0.3092,
0.3213

 93.9442, 0.3095,
0.3213

Harmonies

Analogous

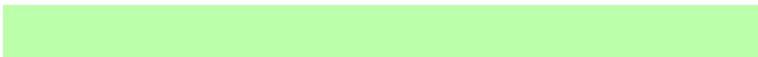
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.9172, 0.4159, 0.4071



87.9172, 0.3742, 0.4336



87.9172, 0.3182, 0.4287

Triad

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



87.9172, 0.3742, 0.4336



87.9172, 0.2082, 0.2757



87.9172, 0.3583, 0.2790

Complementary

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



87.9172, 0.3742, 0.4336



32.3970, 0.2351, 0.1988

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.



87.9172, 0.2983, 0.2497



87.9172, 0.3742, 0.4336



87.9172, 0.2163, 0.2451

Square

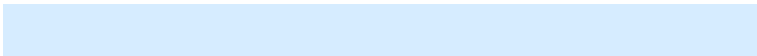
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.9172, 0.3742, 0.4336



87.9172, 0.2243, 0.3275



87.9172, 0.2476, 0.2372



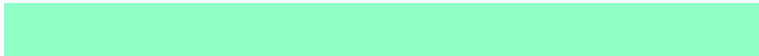
87.9172, 0.4084, 0.3197

Rectangle

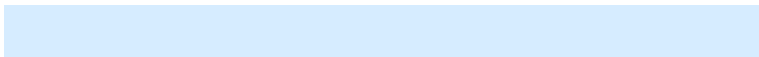
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.9172, 0.3742, 0.4336



87.9172, 0.2806, 0.4045



87.9172, 0.2476, 0.2372



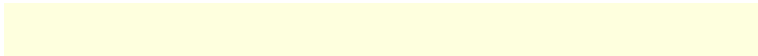
87.9172, 0.3383, 0.2677

Sweetspot

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



87.9212, 0.3742, 0.4336



97.9237, 0.3318, 0.3613



41.9404, 0.4218, 0.3312



20.8918, 0.3351, 0.3669



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

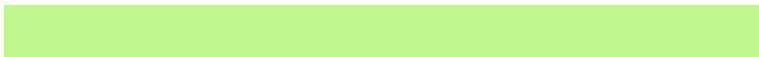
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.9212, 0.3742, 0.4336



93.7825, 0.3857, 0.4534



79.8869, 0.3379, 0.4477



19.2962, 0.3266, 0.3524



45.1904, 0.4159, 0.5079



3.9769, 0.4164, 0.5076

Inverse Universe

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



32.3970, 0.2351, 0.1988



26.4236, 0.2157, 0.1667



38.2092, 0.2746, 0.2116



15.9421, 0.2982, 0.3045



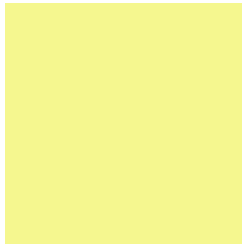
3.5749, 0.1506, 0.0603



0.3195, 0.1521, 0.0612

Previews

White Background



This preview shows how the Yxy color 87.9172, 0.3742, 0.4336 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 87.9172, 0.3742, 0.4336 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 87.9172, 0.3742, 0.4336

Background



This preview shows how black text looks on a background with the Yxy color 87.9172, 0.3742, 0.4336.

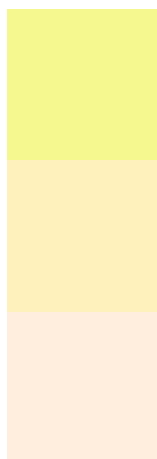


This preview shows how white text looks on a background with the Yxy color 87.9172, 0.3742, 0.4336.

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

87.9172, 0.3742, 0.4336

Protanopia

87.8014, 0.3559, 0.3821

Deuteranopia

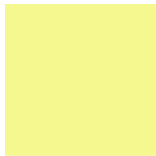
87.6295, 0.3350, 0.3459



Tritanopia

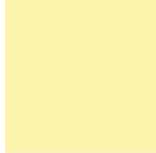
87.6417, 0.3161, 0.3135

Trichromacy



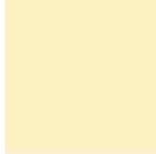
Original Color

87.9172, 0.3742, 0.4336



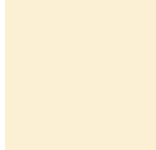
Protanomaly

87.5890, 0.3626, 0.4006



Deuteranomaly

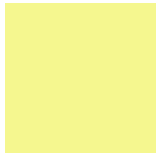
87.2701, 0.3498, 0.3775



Tritanomaly

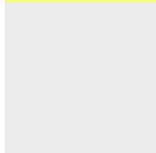
86.9957, 0.3379, 0.3562

Monochromacy



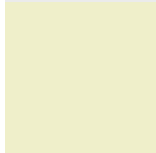
Original Color

87.9172, 0.3742, 0.4336



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

84.3480, 0.3360, 0.3674

CSS Examples

Text

The CSS property to change the color of the text to Yxy 87.9172, 0.3742, 0.4336 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(245, 247, 143)` looks like.

```
.text, #text, p{  
    color:rgb(245, 247, 143)  
}
```

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(245, 247, 143) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 247, 143) }
```

Border

The CSS property to change the border of an element to Yxy 87.9172, 0.3742, 0.4336 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(245, 247, 143) }
```

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

```
.border{ border-color:rgb(245, 247, 143) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 247, 143)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 247, 143); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 247, 143);  
box-shadow:4px 4px 4px 4px rgb(245, 247,  
143) }
```


Background

The CSS property to change the background color of an element to Yxy 87.9172, 0.3742, 0.4336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 247, 143) }
```

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

```
.background{ background-color: rgb(245,  
247, 143) }
```

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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