

Converting Colors

$Yxy(81.8631, 0.3656, 0.4127)$

Have a look what the booklet for
Yxy(81.8631, 0.3656, 0.4127)
contains.

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Color

Yxy(82.1087, 0.3655, 0.4134)

Conversions

Conversions Part 1

Format	Color
Hex	F0EE9D
RGB	240, 238, 157
RGB Percent	94%, 93%, 62%
CMY	0.0588, 0.0666, 0.3844
CMYK	0.00, 0.01, 0.35, 0.06
HSL	59°, 73%, 78%
HSV	59°, 35%, 94%
XYZ	72.5949, 82.1087, 43.9144
YIQ	229.3640, 27.1930, -24.7670

Conversions

Conversions Part 2

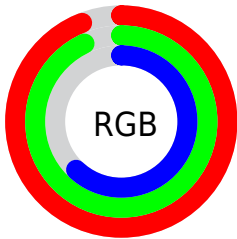
Format	Color
R _Y B	159, 240, 157
Decimal	15789725
CIE Lab	92.62, -11.16, 39.51
CIE LCh	93, 41.058, 105.767
Yxy	82.1087, 0.3655, 0.4134
Android (android.graphics.Color)	4293979805 (0xFFFF0EE9D)
YUV	229.3640, -35.6755, 9.3278
Hunter-Lab	90.6139, -15.5697, 34.6958

Details

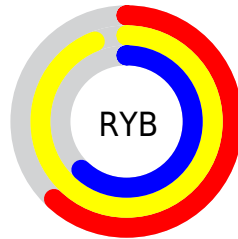
The Yxy color **82.1087, 0.3655, 0.4134** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **38.2487, 0.2503, 0.2278**, and the grayscale version is **78.8912, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.5335, 0.3382, 0.3711**, and **44.5227, 0.3765, 0.4326** is the 20% darker color. If you saturate the color by 10%, you get **81.0364, 0.3800, 0.4363**, and if you desaturate by 10%, it is **83.3506, 0.3502, 0.3891**.

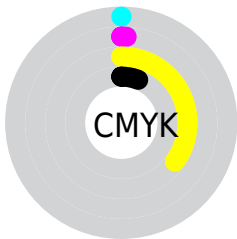
Distribution



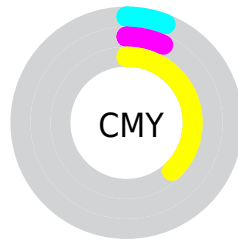
- Red (94%)
- Green (93%)
- Blue (62%)



- Red (62%)
- Yellow (94%)
- Blue (62%)



- Cyan (0%)
- Magenta (1%)
- Yellow (35%)
- Black (6%)





- Cyan (6%)
- Magenta (7%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.1087, 0.3655, 0.4134 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 82.1087, 0.3655, 0.4134 by changing the saturation by 10% instead.


 82.1087, 0.3655,
0.4134

 82.1087, 0.3655,
0.4134

502.0112, 0.3426,
0.3749

 61.4551, 0.3703,
0.4219


 136.3264, 0.3579,
0.4002

 44.5926, 0.3759,
0.4323


 170.6594, 0.3548,
0.3950

 31.1366, 0.3826,
0.4451


210.3209, 0.3521,
0.3906

 20.7029, 0.3905,
0.4611


255.6954, 0.3498,
0.3866

 12.9070, 0.3998,
0.4817

307.1673, 0.3477,
0.3832

 7.3646, 0.4100,
0.5083

365.1210, 0.3458,

 3.6911, 0.4356,

0.3801

0.5644

429.9408, 0.3441,
0.3773

■ 1.5023, 0.4170,
0.5830

■ 0.2904, 0.0123,
0.9877

■ 82.1087, 0.3655,
0.4134

■ 82.1087, 0.3655,
0.4134

■ 81.0364, 0.3800,
0.4363

■ 83.3506, 0.3502,
0.3891

■ 80.1129, 0.3932,
0.4569


■ 84.7595, 0.3347,
0.3643


■ 79.3316, 0.4043,
0.4741


■ 86.3473, 0.3195,
0.3399

■ 78.6807, 0.4130,
0.4873


■ 88.1215, 0.3049,
0.3164

 78.1464, 0.4191,
0.4961

 88.5910, 0.3037,
0.3150

 77.7120, 0.4225,
0.5006

 88.9327, 0.3037,
0.3156

 77.5049, 0.4236,
0.5018

 89.2755, 0.3037,
0.3162

 89.6194, 0.3037,
0.3168

 89.9644, 0.3037,
0.3173

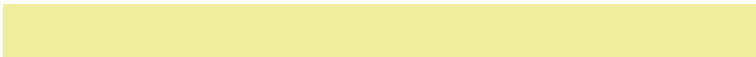
Harmonies

Analogous

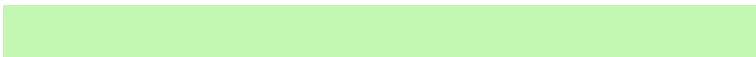
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.1087, 0.3981, 0.3929



82.1087, 0.3655, 0.4134



82.1087, 0.3201, 0.4091

Triad

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



82.1087, 0.3655, 0.4134



82.1087, 0.2264, 0.2879



82.1087, 0.3480, 0.2866

Complementary

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



82.1087, 0.3655, 0.4134



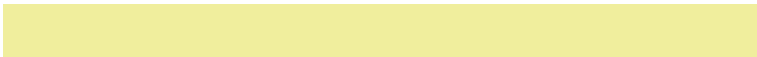
38.2487, 0.2503, 0.2278

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.



82.1087, 0.2995, 0.2625



82.1087, 0.3655, 0.4134



82.1087, 0.2324, 0.2610

Square

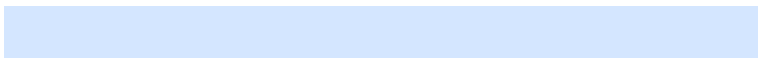
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.1087, 0.3655, 0.4134



82.1087, 0.2412, 0.3306



82.1087, 0.2580, 0.2529



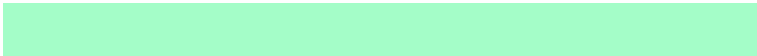
82.1087, 0.3888, 0.3208

Rectangle

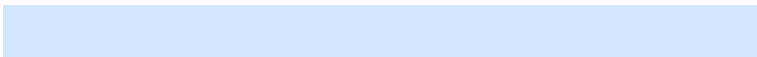
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.1087, 0.3655, 0.4134



82.1087, 0.2891, 0.3905



82.1087, 0.2580, 0.2529



82.1087, 0.3319, 0.2772

Sweetspot

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



82.1124, 0.3655, 0.4134



98.0748, 0.3277, 0.3531



45.1651, 0.3922, 0.3261



20.9378, 0.3299, 0.3566



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.



82.1124, 0.3655, 0.4134



93.2841, 0.3766, 0.4309



77.2087, 0.3371, 0.4238



18.3900, 0.3269, 0.3518



42.4569, 0.4236, 0.5019



3.5525, 0.4230, 0.5024

Inverse Universe

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



38.2487, 0.2503, 0.2278



35.4706, 0.2343, 0.2016



42.1007, 0.2797, 0.2333



15.2895, 0.2979, 0.3052



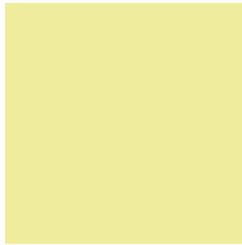
3.5397, 0.1504, 0.0615



0.3158, 0.1515, 0.0655

Previews

White Background



This preview shows how the Yxy color 82.1087, 0.3655, 0.4134 looks on a white background.

Color Contrast Check

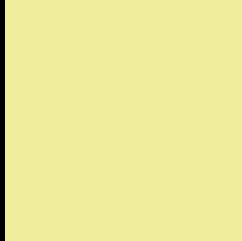
Large Text (above 18pt) WCAG AA × Fail

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 82.1087, 0.3655, 0.4134 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

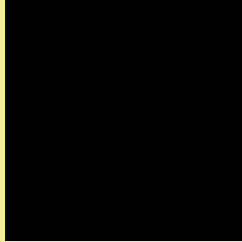
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.1087, 0.3655, 0.4134

Background



This preview shows how black text looks on a background with the Yxy color 82.1087, 0.3655, 0.4134.

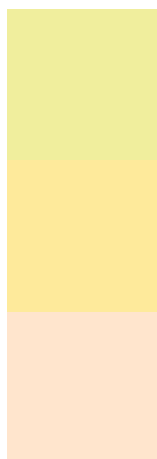


This preview shows how white text looks on a background with the Yxy color 82.1087, 0.3655, 0.4134.

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

82.1087, 0.3655, 0.4134

Protanopia

82.2830, 0.3785, 0.4086

Deuteranopia

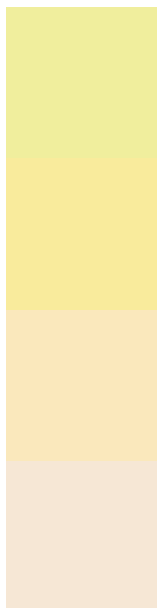
81.7064, 0.3471, 0.3533



Tritanopia

81.8547, 0.3170, 0.3112

Trichromacy



Original Color

82.1087, 0.3655, 0.4134

Protanomaly

81.9567, 0.3738, 0.4097

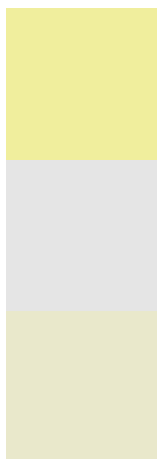
Deuteranomaly

81.6681, 0.3544, 0.3741

Tritanomaly

81.5488, 0.3349, 0.3475

Monochromacy



Original Color

82.1087, 0.3655, 0.4134

Achromatopsia

78.3538, 0.3127, 0.3290

Achromatomaly

79.3487, 0.3321, 0.3598

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.1087, 0.3655, 0.4134 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(240, 238, 157)` looks like.

```
.text, #text, p{  
    color:rgb(240, 238, 157)  
}
```

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(240, 238, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 238, 157) }
```

Border

The CSS property to change the border of an element to Yxy 82.1087, 0.3655, 0.4134 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(240, 238, 157) }
```

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

```
.border{ border-color:rgb(240, 238, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 238, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 238, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 238, 157);  
box-shadow:4px 4px 4px 4px rgb(240, 238,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 82.1087, 0.3655, 0.4134 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 238, 157) }
```

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

```
.background{ background-color: rgb(240,  
238, 157) }
```

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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