

Converting Colors

$Yxy(82.3618, 0.3782, 0.4320)$

Have a look what the booklet for
Yxy(82.3618, 0.3782, 0.4320)
contains.

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Color

Yxy(82.4452, 0.3780, 0.4324)

Conversions

Conversions Part 1

Format	Color
Hex	F2EF8A
RGB	242, 239, 138
RGB Percent	95%, 94%, 54%
CMY	0.0509, 0.0627, 0.4589
CMYK	0.00, 0.01, 0.43, 0.05
HSL	58°, 80%, 75%
HSV	58°, 43%, 95%
XYZ	72.0728, 82.4452, 36.1508
YIQ	228.3830, 34.2090, -30.7750

Conversions

Conversions Part 2

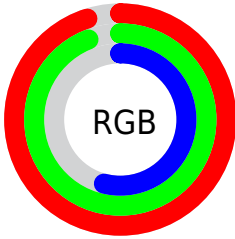
Format	Color
R_{YB}	141, 242, 138
Decimal	15921034
CIE _{Lab}	92.77, -12.89, 49.05
CIE _{LCh}	93, 50.713, 104.729
Yxy	82.4452, 0.3780, 0.4324
Android (android.graphics.Color)	4294111114 (0xFFFF2EF8A)
YUV	228.3830, -44.5588, 11.9421
Hunter-Lab	90.7993, -17.2128, 39.9538

Details

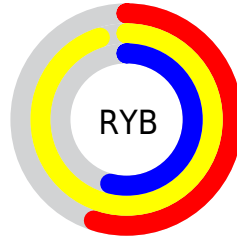
The Yxy color **82.4452, 0.3780, 0.4324** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **30.8578, 0.2325, 0.1991**, and the grayscale version is **78.1939, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.6303, 0.3496, 0.3900**, and **44.7132, 0.3902, 0.4551** is the 20% darker color. If you saturate the color by 10%, you get **81.4160, 0.3915, 0.4533**, and if you desaturate by 10%, it is **83.6397, 0.3632, 0.4093**.

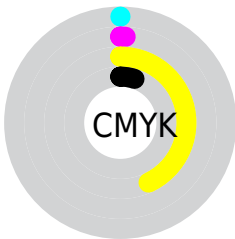
Distribution



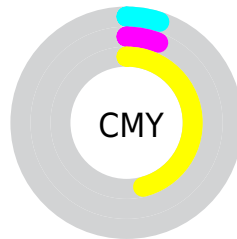
- Red (95%)
- Green (94%)
- Blue (54%)



- Red (55%)
- Yellow (95%)
- Blue (54%)



- Cyan (0%)
- Magenta (1%)
- Yellow (43%)
- Black (5%)




- Cyan (5%)
- Magenta (6%)
- Yellow (46%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.4452, 0.3780, 0.4324 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 82.4452, 0.3780, 0.4324 by changing the saturation by 10% instead.


 82.4452, 0.3780,
0.4324

 82.4452, 0.3780,
0.4324


503.1356, 0.3502,
0.3856


 61.7326, 0.3835,
0.4425

 136.7981, 0.3690,
0.4166

 44.8166, 0.3899,
0.4547


 171.2073, 0.3653,
0.4103

 31.3130, 0.3973,
0.4694


 210.9506, 0.3620,
0.4048

 20.8373, 0.4055,
0.4875

256.4127, 0.3591,
0.4000

 13.0051, 0.4141,
0.5096

307.9779, 0.3565,
0.3958

 7.4321, 0.4235,
0.5387

366.0305, 0.3542,

 3.7338, 0.4276,

0.3920

0.5724

430.9549, 0.3521,
0.3886

■ 1.5258, 0.4061,
0.5939

■ 0.3068, 0.0000,
1.0000

■ 82.4452, 0.3780,
0.4324

■ 82.4452, 0.3780,
0.4324

■ 81.4160, 0.3915,
0.4533

■ 83.6397, 0.3632,
0.4093

■ 80.5303, 0.4031,
0.4711


■ 84.9976, 0.3478,
0.3849


■ 79.7801, 0.4124,
0.4850


■ 86.5316, 0.3323,
0.3603


■ 79.1517, 0.4190,
0.4944

■ 88.2498, 0.3171,
0.3361


 78.6286, 0.4230,
0.4995


 89.9005, 0.3050,
0.3167

 78.3071, 0.4245,
0.5011

 90.3184, 0.3050,
0.3174

 90.7380, 0.3049,
0.3181

 91.1591, 0.3049,
0.3188

 91.5818, 0.3049,
0.3195

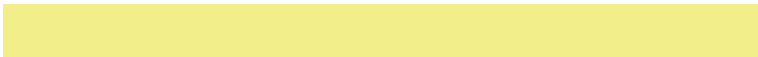
Harmonies

Analogous

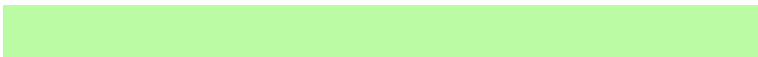
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.4452, 0.4180, 0.4043



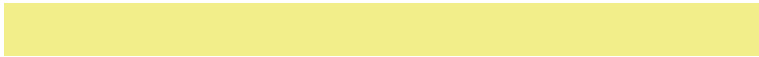
82.4452, 0.3780, 0.4324



82.4452, 0.3226, 0.4304

Triad

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



82.4452, 0.3780, 0.4324



82.4452, 0.2086, 0.2790



82.4452, 0.3538, 0.2764

Complementary

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



82.4452, 0.3780, 0.4324



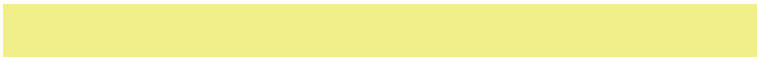
30.8578, 0.2325, 0.1991

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.



82.4452, 0.2940, 0.2482



82.4452, 0.3780, 0.4324



82.4452, 0.2150, 0.2467

Square

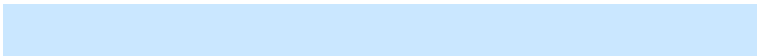
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.4452, 0.3780, 0.4324



82.4452, 0.2266, 0.3321



82.4452, 0.2445, 0.2371



82.4452, 0.4053, 0.3164

Rectangle

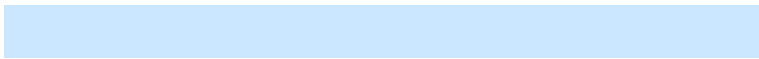
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.4452, 0.3780, 0.4324



82.4452, 0.2847, 0.4079



82.4452, 0.2445, 0.2371



82.4452, 0.3337, 0.2653

Sweetspot

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



82.4490, 0.3780, 0.4324



97.4366, 0.3324, 0.3604



38.9863, 0.4220, 0.3255



20.7699, 0.3358, 0.3658



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

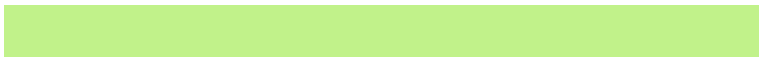
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.4490, 0.3780, 0.4324



91.7763, 0.3904, 0.4517



76.7421, 0.3419, 0.4489



18.3761, 0.3269, 0.3517



42.1006, 0.4244, 0.5012



3.5269, 0.4237, 0.5018

Inverse Universe

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



30.8578, 0.2325, 0.1991



26.3672, 0.2129, 0.1670



35.0876, 0.2692, 0.2077



15.3018, 0.2979, 0.3053



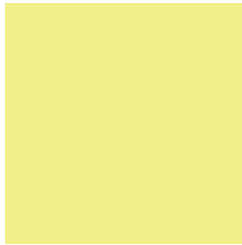
3.5590, 0.1505, 0.0618



0.3217, 0.1518, 0.0666

Previews

White Background



This preview shows how the Yxy color 82.4452, 0.3780, 0.4324 looks on a white background.

Color Contrast Check

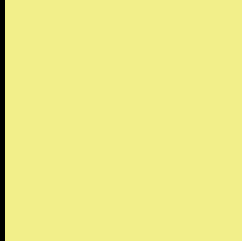
Large Text (above 18pt) WCAG AA × Fail

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 82.4452, 0.3780, 0.4324 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

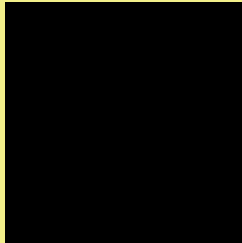
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 82.4452, 0.3780, 0.4324

Background



This preview shows how black text looks on a background with the Yxy color 82.4452, 0.3780, 0.4324.



This preview shows how white text looks on a background with the Yxy color 82.4452, 0.3780, 0.4324.

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

82.4452, 0.3780, 0.4324

Protanopia

82.1810, 0.3849, 0.4170

Deuteranopia

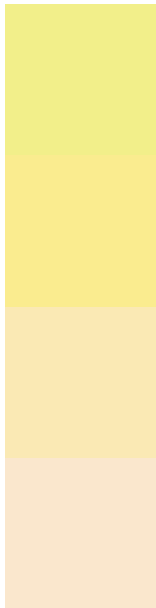
82.2133, 0.3476, 0.3553



Tritanopia

82.5407, 0.3204, 0.3123

Trichromacy



Original Color

82.4452, 0.3780, 0.4324

Protanomaly

82.2981, 0.3822, 0.4228

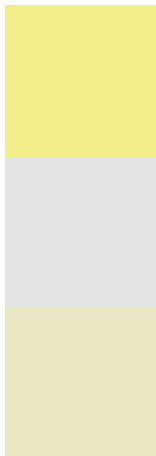
Deuteranomaly

81.8971, 0.3595, 0.3833

Tritanomaly

81.8836, 0.3431, 0.3555

Monochromacy



Original Color

82.4452, 0.3780, 0.4324

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

78.9770, 0.3373, 0.3684

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.4452, 0.3780, 0.4324 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(242, 239, 138)` looks like.

```
.text, #text, p{  
    color:rgb(242, 239, 138)  
}
```

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(242, 239, 138) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 239, 138) }
```

Border

The CSS property to change the border of an element to Yxy 82.4452, 0.3780, 0.4324 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(242, 239, 138) }
```

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

```
.border{ border-color:rgb(242, 239, 138) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 239, 138)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 239, 138); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 239, 138);  
box-shadow:4px 4px 4px 4px rgb(242, 239,  
138) }
```


Background

The CSS property to change the background color of an element to Yxy 82.4452, 0.3780, 0.4324 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 239, 138) }
```

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

```
.background{ background-color: rgb(242,  
239, 138) }
```

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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