

Converting Colors

$Yxy(82.9198, 0.3793, 0.4654)$

Have a look what the booklet for
Yxy(82.9198, 0.3793, 0.4654)
contains.

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Color

Yxy(82.9686, 0.3789, 0.4653)

Conversions

Conversions Part 1

Format	Color
Hex	E4F570
RGB	228, 245, 112
RGB Percent	89%, 96%, 44%
CMY	0.1060, 0.0391, 0.5608
CMYK	0.07, 0.00, 0.54, 0.04
HSL	68°, 87%, 70%
HSV	68°, 54%, 96%
XYZ	67.5624, 82.9686, 27.7810
YIQ	224.7550, 32.5610, -44.9670

Conversions

Conversions Part 2

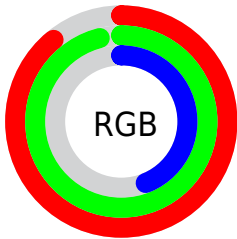
Format	Color
RYB	112, 245, 129
Decimal	15005040
CIELab	93.00, -23.60, 61.08
CIElCh	93, 65.482, 111.125
Yxy	82.9686, 0.3789, 0.4653
Android (android.graphics.Color)	4293195120 (0xFFE4F570)
YUV	224.7550, -55.5882, 2.8459
Hunter-Lab	91.0871, -27.0028, 45.6779

Details

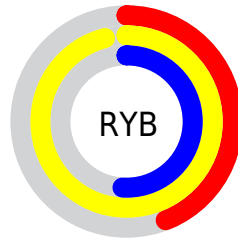
The Yxy color **82.9686, 0.3789, 0.4653** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **22.8527, 0.2186, 0.1594**, and the grayscale version is **75.4969, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5700, 0.3649, 0.4153**, and **45.2366, 0.3882, 0.4945** is the 20% darker color. If you saturate the color by 10%, you get **81.9897, 0.3872, 0.4855**, and if you desaturate by 10%, it is **84.1128, 0.3686, 0.4421**.

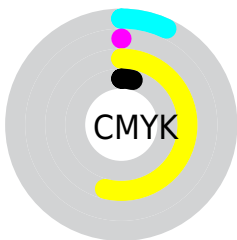
Distribution



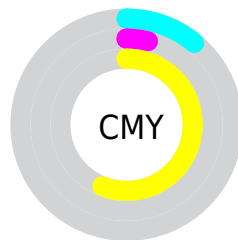
- Red (89%)
- Green (96%)
- Blue (44%)



- Red (44%)
- Yellow (96%)
- Blue (51%)



- Cyan (7%)
- Magenta (0%)
- Yellow (54%)
- Black (4%)





- Cyan (11%)
- Magenta (4%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 82.9686, 0.3789, 0.4653 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 82.9686, 0.3789, 0.4653 by changing the saturation by 10% instead.


 82.9686, 0.3789,
0.4653


 82.9686, 0.3789,
0.4653

504.8819, 0.3526,
0.4034

 62.1642, 0.3835,
0.4785


 137.5315, 0.3709,
0.4444

 45.1654, 0.3883,
0.4943


 172.0588, 0.3674,
0.4361

 31.5877, 0.3932,
0.5131


 211.9292, 0.3643,
0.4289

 21.0468, 0.3972,
0.5356

257.5272, 0.3615,
0.4225

 13.1582, 0.3989,
0.5621

309.2370, 0.3590,
0.4169

 7.5376, 0.3998,
0.6002

367.4431, 0.3567,

 3.8005, 0.3765,

0.4119

0.6235

432.5300, 0.3546,
0.4074

■ 1.5626, 0.3363,
0.6637

■ 0.3322, 0.0000,
1.0000

■ 82.9686, 0.3789,
0.4653

■ 82.9686, 0.3789,
0.4653

■ 81.9897, 0.3872,
0.4855

■ 84.1128, 0.3686,
0.4421

■ 81.1525, 0.3931,
0.5017


■ 85.4220, 0.3568,
0.4169


■ 80.4463, 0.3963,
0.5135


■ 86.9101, 0.3441,
0.3909


■ 79.8535, 0.3970,
0.5207

■ 88.5861, 0.3311,
0.3648


 79.5510, 0.3965,
0.5234

 90.4586, 0.3182,
0.3395

 92.2748, 0.3080,
0.3193

 92.8503, 0.3099,
0.3194

 93.4354, 0.3119,
0.3194

 93.7950, 0.3132,
0.3195

Harmonies

Analogous

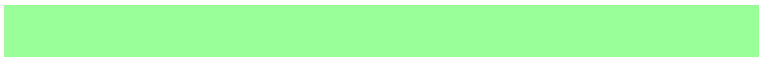
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.9686, 0.4367, 0.4310



82.9686, 0.3789, 0.4653



82.9686, 0.3071, 0.4560

Triad

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



82.9686, 0.3789, 0.4653



82.9686, 0.1824, 0.2526



82.9686, 0.3810, 0.2722

Complementary

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



82.9686, 0.3789, 0.4653



22.8527, 0.2186, 0.1594

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.



82.9686, 0.3035, 0.2344



82.9686, 0.3789, 0.4653



82.9686, 0.1963, 0.2205

Square

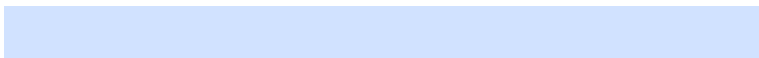
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.9686, 0.3789, 0.4653



82.9686, 0.1969, 0.3146



82.9686, 0.2376, 0.2158



82.9686, 0.4425, 0.3226

Rectangle

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



82.9686, 0.3789, 0.4653



82.9686, 0.2610, 0.4197



82.9686, 0.2376, 0.2158



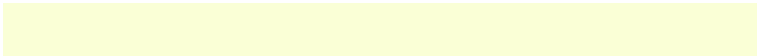
82.9686, 0.3554, 0.2578

Sweetspot

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



82.9724, 0.3789, 0.4653



96.6665, 0.3334, 0.3693



35.8978, 0.4645, 0.3457



20.6075, 0.3361, 0.3747



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.



82.9724, 0.3789, 0.4653



89.6951, 0.3878, 0.4870



74.2701, 0.3336, 0.4888



19.1995, 0.3249, 0.3525



42.8919, 0.3969, 0.5231



3.7992, 0.3999, 0.5207

Inverse Universe

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



22.8527, 0.2186, 0.1594



17.7538, 0.1975, 0.1246



29.6542, 0.2716, 0.1809



16.0285, 0.2999, 0.3047



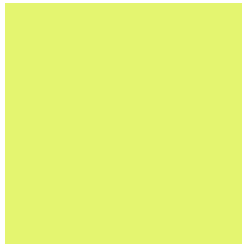
3.7441, 0.1548, 0.0626



0.3607, 0.1635, 0.0674

Previews

White Background



This preview shows how the Yxy color 82.9686, 0.3789, 0.4653 looks on a white background.

Color Contrast Check

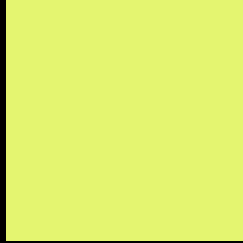
Large Text (above 18pt) WCAG AA × Fail

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 82.9686, 0.3789, 0.4653 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 82.9686, 0.3789, 0.4653

Background



This preview shows how black text looks on a background with the Yxy color 82.9686, 0.3789, 0.4653.

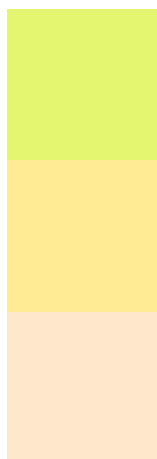


This preview shows how white text looks on a background with the Yxy color 82.9686, 0.3789, 0.4653.

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

82.9686, 0.3789, 0.4653

Protanopia

82.7832, 0.3838, 0.4169

Deuteranopia

82.7236, 0.3481, 0.3573



Tritanopia

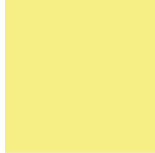
82.4879, 0.3096, 0.3100

Trichromacy



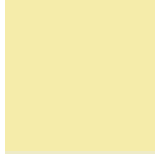
Original Color

82.9686, 0.3789, 0.4653



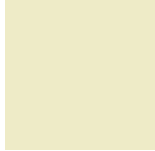
Protanomaly

82.8667, 0.3825, 0.4352



Deuteranomaly

82.3057, 0.3616, 0.3973



Tritanomaly

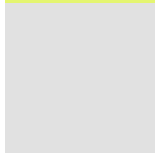
81.7173, 0.3378, 0.3667

Monochromacy



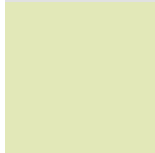
Original Color

82.9686, 0.3789, 0.4653



Achromatopsia

75.2942, 0.3127, 0.3290



Achromatomaly

77.3427, 0.3395, 0.3813

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.9686, 0.3789, 0.4653 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(228, 245, 112)` looks like.

```
.text, #text, p{  
    color:rgb(228, 245, 112)  
}
```

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(228, 245, 112) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(228, 245, 112) }
```

Border

The CSS property to change the border of an element to Yxy 82.9686, 0.3789, 0.4653 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(228, 245, 112) }
```

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

```
.border{ border-color:rgb(228, 245, 112) }
```

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

Here you see how a box with a 4 pixel `rgb(228, 245, 112)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(228, 245, 112); -webkit-box-shadow:4px 4px 4px 4px rgb(228, 245, 112); box-shadow:4px 4px 4px 4px rgb(228, 245, 112) }
```


Background

The CSS property to change the background color of an element to Yxy 82.9686, 0.3789, 0.4653 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(228, 245, 112) }
```

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

```
.background{ background-color: rgb(228,  
245, 112) }
```

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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