

Converting Colors

$Yxy(82.3189, 0.4037, 0.4485)$

Have a look what the booklet for
Yxy(82.3189, 0.4037, 0.4485)
contains.

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Color

Yxy(82.3986, 0.4038, 0.4489)

Conversions

Conversions Part 1

Format	Color
Hex	FFEC6F
RGB	255, 236, 111
RGB Percent	100%, 93%, 44%
CMY	0.0000, 0.0746, 0.5647
CMYK	0.00, 0.07, 0.56, 0.00
HSL	52°, 100%, 72%
HSV	52°, 56%, 100%
XYZ	74.1202, 82.3986, 27.0379
YIQ	227.4310, 51.4490, -34.8470

Conversions

Conversions Part 2

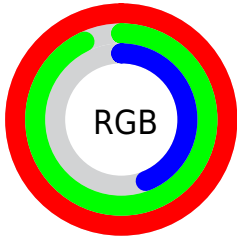
Format	Color
R _Y B	133, 255, 111
Decimal	16772207
CIE Lab	92.75, -8.53, 61.79
CIE LCh	93, 62.377, 97.858
Yxy	82.3986, 0.4038, 0.4489
Android (android.graphics.Color)	4294962287 (0xFFFFEC6F)
YUV	227.4310, -57.4005, 24.1780
Hunter-Lab	90.7737, -13.1018, 45.8814

Details

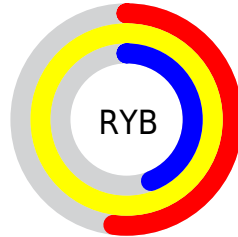
The Yxy color **82.3986, 0.4038, 0.4489** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **26.5703, 0.2074, 0.1690**, and the grayscale version is **77.5390, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5332, 0.3655, 0.4162**, and **44.6638, 0.4201, 0.4715** is the 20% darker color. If you saturate the color by 10%, you get **79.9876, 0.4176, 0.4643**, and if you desaturate by 10%, it is **84.9931, 0.3883, 0.4303**.

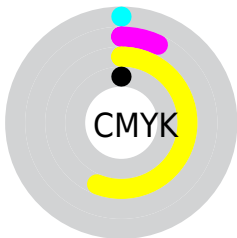
Distribution



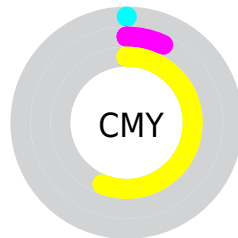
- Red (100%)
- Green (93%)
- Blue (44%)



- Red (52%)
- Yellow (100%)
- Blue (44%)



- Cyan (0%)
- Magenta (7%)
- Yellow (56%)
- Black (0%)




- Cyan (0%)
- Magenta (7%)
- Yellow (56%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 82.3986, 0.4038, 0.4489 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 82.3986, 0.4038, 0.4489 by changing the saturation by 10% instead.

 82.3986, 0.4038,
0.4489


 82.3986, 0.4038,
0.4489


502.9800, 0.3657,
0.3965

 61.6941, 0.4111,
0.4596


 136.7328, 0.3917,
0.4317

 44.7856, 0.4192,
0.4719


 171.1314, 0.3866,
0.4247

 31.2886, 0.4282,
0.4862


 210.8635, 0.3821,
0.4185

 20.8187, 0.4375,
0.5025

256.3134, 0.3781,
0.4131

 12.9915, 0.4463,
0.5204

307.8657, 0.3745,
0.4083

 7.4227, 0.4563,
0.5437

365.9046, 0.3713,

 3.7278, 0.4482,

0.4039

0.5518

430.8146, 0.3684,
0.4000

■ 1.5225, 0.4342,
0.5658

■ 0.3045, 0.2106,
0.7894

■ 82.3986, 0.4038,
0.4489

■ 82.3986, 0.4038,
0.4489

■ 79.9876, 0.4176,
0.4643

■ 84.9931, 0.3883,
0.4303

■ 77.7658, 0.4290,
0.4756


■ 87.8037, 0.3718,
0.4094


■ 75.7100, 0.4377,
0.4824

■ 90.8351, 0.3550,
0.3873

■ 73.7993, 0.4436,
0.4846

■ 94.0978, 0.3384,
0.3649

 73.1481, 0.4452,
0.4847

 97.6014, 0.3225,
0.3428

100.0000, 0.3127,
0.3290

Harmonies

Analogous

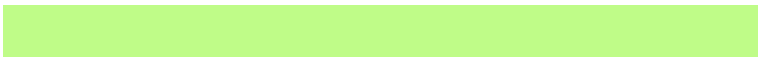
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



82.3986, 0.4472, 0.4063



82.3986, 0.4038, 0.4489



82.3986, 0.3388, 0.4603

Triad

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



82.3986, 0.4038, 0.4489



82.3986, 0.1902, 0.2791



82.3986, 0.3455, 0.2565

Complementary

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



82.3986, 0.4038, 0.4489



26.5703, 0.2074, 0.1690

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.



82.3986, 0.2737, 0.2275



82.3986, 0.4038, 0.4489



82.3986, 0.1916, 0.2352

Square

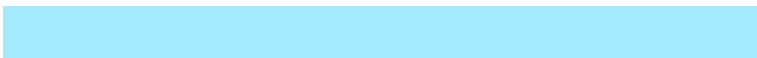
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



82.3986, 0.4038, 0.4489



82.3986, 0.2170, 0.3489



82.3986, 0.2199, 0.2192



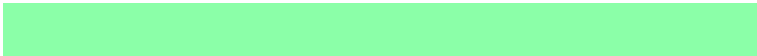
82.3986, 0.4145, 0.3008

Rectangle

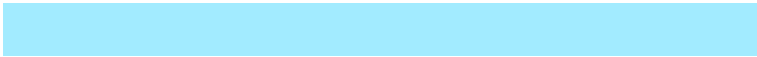
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



82.3986, 0.4038, 0.4489



82.3986, 0.2924, 0.4403



82.3986, 0.2199, 0.2192



82.3986, 0.3205, 0.2448

Sweetspot

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



82.3919, 0.4038, 0.4489



93.9181, 0.3393, 0.3661



34.2477, 0.4620, 0.3104



19.9585, 0.3426, 0.3706



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

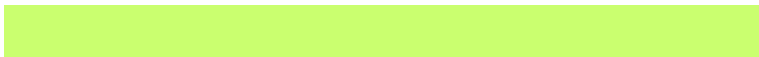
The Same Dimension uses a secret algorithm to generate beautiful new colors.



82.3919, 0.4038, 0.4489



79.6357, 0.4195, 0.4663



85.2527, 0.3572, 0.4831



20.6574, 0.3272, 0.3494



38.3807, 0.4447, 0.4851



3.8457, 0.4414, 0.4877

Inverse Universe

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



26.5703, 0.2074, 0.1690



18.9965, 0.1861, 0.1334



26.4621, 0.2391, 0.1622



17.7642, 0.2979, 0.3077



4.4787, 0.1528, 0.0699



0.5500, 0.1571, 0.0856

Previews

White Background



This preview shows how the Yxy color 82.3986, 0.4038, 0.4489 looks on a white background.

Color Contrast Check

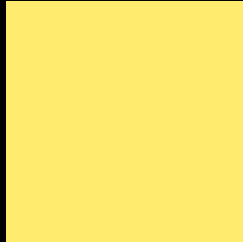
Large Text (above 18pt) WCAG AA × Fail

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 82.3986, 0.4038, 0.4489 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 82.3986, 0.4038, 0.4489

Background



This preview shows how black text looks on a background with the Yxy color 82.3986, 0.4038, 0.4489.



This preview shows how white text looks on a background with the Yxy color 82.3986, 0.4038, 0.4489.

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

82.3986, 0.4038, 0.4489

Protanopia

82.1193, 0.3861, 0.4188

Deuteranopia

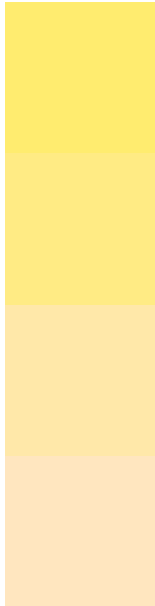
82.1179, 0.3490, 0.3573



Tritanopia

82.3126, 0.3257, 0.3192

Trichromacy



Original Color

82.3986, 0.4038, 0.4489

Protanomaly

82.3426, 0.3928, 0.4306

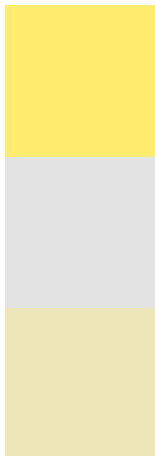
Deuteranomaly

81.8378, 0.3708, 0.3928

Tritanomaly

81.6152, 0.3565, 0.3686

Monochromacy



Original Color

82.3986, 0.4038, 0.4489

Achromatopsia

76.8151, 0.3127, 0.3290

Achromatomaly

78.1009, 0.3473, 0.3768

CSS Examples

Text

The CSS property to change the color of the text to Yxy 82.3986, 0.4038, 0.4489 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(255, 236, 111)` looks like.

```
.text, #text, p{  
    color:rgb(255, 236, 111)  
}
```

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(255, 236, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 236, 111) }
```

Border

The CSS property to change the border of an element to Yxy 82.3986, 0.4038, 0.4489 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(255, 236, 111) }
```

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

```
.border{ border-color:rgb(255, 236, 111) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 236, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 236, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 236, 111);  
box-shadow:4px 4px 4px 4px rgb(255, 236,  
111) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 82.3986, 0.4038, 0.4489$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 236, 111) }
```

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

```
.background{ background-color: rgb(255,  
236, 111) }
```

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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