

Converting Colors

$Y_{xy}(81.6050, 0.3990, 0.4387)$

Have a look what the booklet for
Yxy(81.6050, 0.3990, 0.4387)
contains.

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Color

Yxy(81.5108, 0.3990, 0.4384)

Conversions

Conversions Part 1

Format	Color
Hex	FFEA7A
RGB	255, 234, 122
RGB Percent	100%, 92%, 48%
CMY	0.0000, 0.0824, 0.5216
CMYK	0.00, 0.08, 0.52, 0.00
HSL	51°, 100%, 74%
HSV	51°, 52%, 100%
XYZ	74.1852, 81.5108, 30.2319
YIQ	227.5110, 48.4680, -30.3800

Conversions

Conversions Part 2

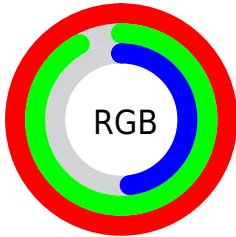
Format	Color
RYB	147, 255, 122
Decimal	16771706
CIELab	92.36, -6.70, 56.35
CIELCh	92, 56.746, 96.785
Yxy	81.5108, 0.3990, 0.4384
Android (android.graphics.Color)	4294961786 (0xFFFFEA7A)
YUV	227.5110, -52.0169, 24.1079
Hunter-Lab	90.2833, -11.3235, 43.3447

Details

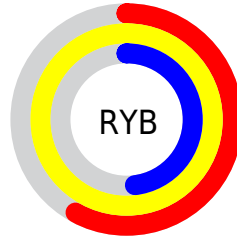
The Yxy color **81.5108, 0.3990, 0.4384** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **31.0010, 0.2168, 0.1872**, and the grayscale version is **77.5638, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9543, 0.3591, 0.4057**, and **44.4056, 0.4143, 0.4604** is the 20% darker color. If you saturate the color by 10%, you get **78.6893, 0.4144, 0.4550**, and if you desaturate by 10%, it is **84.5439, 0.3823, 0.4191**.

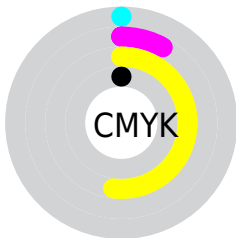
Distribution



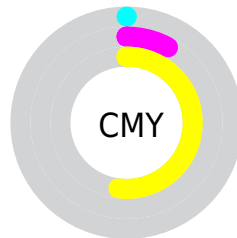
- Red (100%)
- Green (92%)
- Blue (48%)



- Red (58%)
- Yellow (100%)
- Blue (48%)



- Cyan (0%)
- Magenta (8%)
- Yellow (52%)
- Black (0%)





- Cyan (0%)
- Magenta (8%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 81.5108, 0.3990, 0.4384 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 81.5108, 0.3990, 0.4384 by changing the saturation by 10% instead.


 81.5108, 0.3990,
0.4384


 81.5108, 0.3990,
0.4384


500.0099, 0.3622,
0.3902


 60.9624, 0.4063,
0.4484


 135.4878, 0.3871,
0.4224

 44.1948, 0.4146,
0.4601


 169.6851, 0.3822,
0.4160

 30.8237, 0.4240,
0.4738


 209.2009, 0.3779,
0.4103

 20.4646, 0.4344,
0.4898

254.4194, 0.3740,
0.4054

 12.7332, 0.4451,
0.5078

305.7252, 0.3706,
0.4009

 7.2451, 0.4629,
0.5371

363.5026, 0.3675,

 3.6159, 0.4564,

0.3970

0.5436

428.1361, 0.3647,
0.3934

■ 1.4611, 0.4452,
0.5548

■ 0.2611, 0.2445,
0.7555

■ 81.5108, 0.3990,
0.4384

■ 81.5108, 0.3990,
0.4384

■ 78.6893, 0.4144,
0.4550

■ 84.5439, 0.3823,
0.4191

■ 76.0753, 0.4278,
0.4678

■ 87.8102, 0.3651,
0.3981

■ 73.6500, 0.4386,
0.4763

■ 91.3178, 0.3481,
0.3763

■ 71.3945, 0.4465,
0.4800

■ 95.0767, 0.3315,
0.3545

 69.7232, 0.4509,
0.4802

 99.0965, 0.3159,
0.3334

100.0000, 0.3127,
0.3290

Harmonies

Analogous

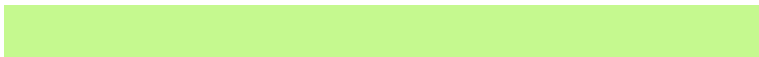
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



81.5108, 0.4372, 0.3998



81.5108, 0.3990, 0.4384



81.5108, 0.3399, 0.4485

Triad

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



81.5108, 0.3990, 0.4384



81.5108, 0.1999, 0.2860



81.5108, 0.3405, 0.2608

Complementary

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



81.5108, 0.3990, 0.4384



31.0010, 0.2168, 0.1872

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.



81.5108, 0.2751, 0.2344



81.5108, 0.3990, 0.4384



81.5108, 0.2001, 0.2439

Square

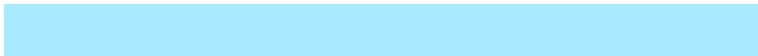
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



81.5108, 0.3990, 0.4384



81.5108, 0.2262, 0.3501



81.5108, 0.2258, 0.2276



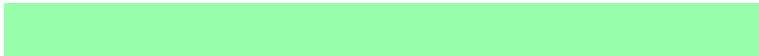
81.5108, 0.4037, 0.3018

Rectangle

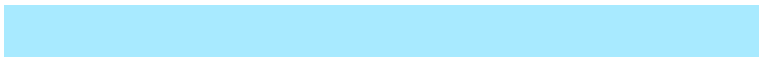
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



81.5108, 0.3990, 0.4384



81.5108, 0.2970, 0.4311



81.5108, 0.2258, 0.2276



81.5108, 0.3178, 0.2501

Sweetspot

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



81.5077, 0.3990, 0.4384



93.6029, 0.3378, 0.3628



37.1956, 0.4391, 0.3067



19.8691, 0.3412, 0.3673



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

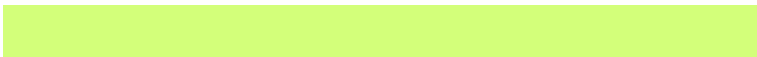
The Same Dimension uses a secret algorithm to generate beautiful new colors.



81.5077, 0.3990, 0.4384



78.4621, 0.4156, 0.4562



86.7242, 0.3581, 0.4702



20.5733, 0.3273, 0.3489



36.6150, 0.4503, 0.4807



3.6905, 0.4462, 0.4839

Inverse Universe

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



31.0010, 0.2168, 0.1872



22.9840, 0.1961, 0.1534



29.2796, 0.2426, 0.1741



17.8408, 0.2979, 0.3083



4.7115, 0.1537, 0.0731



0.5859, 0.1584, 0.0903

Previews

White Background



This preview shows how the Yxy color 81.5108, 0.3990, 0.4384 looks on a white background.

Color Contrast Check

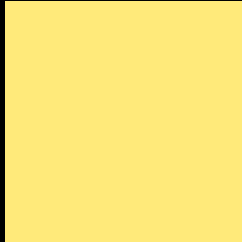
Large Text (above 18pt) WCAG AA × Fail

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 81.5108, 0.3990, 0.4384 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 81.5108, 0.3990, 0.4384

Background



This preview shows how black text looks on a background with the Yxy color 81.5108, 0.3990, 0.4384.



This preview shows how white text looks on a background with the Yxy color 81.5108, 0.3990, 0.4384.

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

81.5108, 0.3990, 0.4384

Protanopia

81.3440, 0.3908, 0.4244

Deuteranopia

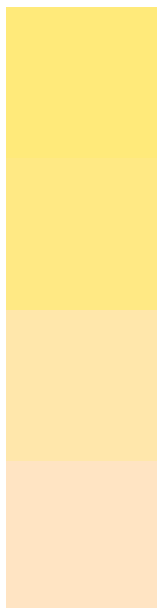
81.4221, 0.3512, 0.3594



Tritanopia

81.1666, 0.3266, 0.3182

Trichromacy



Original Color

81.5108, 0.3990, 0.4384

Protanomaly

81.2038, 0.3937, 0.4289

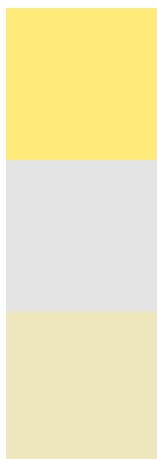
Deuteranomaly

81.3521, 0.3698, 0.3898

Tritanomaly

80.6869, 0.3542, 0.3625

Monochromacy



Original Color

81.5108, 0.3990, 0.4384

Achromatopsia

77.5822, 0.3127, 0.3290

Achromatomaly

78.4449, 0.3453, 0.3724

CSS Examples

Text

The CSS property to change the color of the text to Yxy 81.5108, 0.3990, 0.4384 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, 234, 122)` looks like.

```
.text, #text, p{  
    color:rgb(255, 234, 122)  
}
```

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, 234, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 234, 122) }
```

Border

The CSS property to change the border of an element to Yxy 81.5108, 0.3990, 0.4384 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, 234, 122) }
```

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

```
.border{ border-color:rgb(255, 234, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 234, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 234, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 234, 122);  
box-shadow:4px 4px 4px 4px rgb(255, 234,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 81.5108, 0.3990, 0.4384 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 234, 122) }
```

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

```
.background{ background-color: rgb(255,  
234, 122) }
```

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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