

Converting Colors

$Y_{xy}(100.0000, 0.4084, 0.3988)$

Have a look what the booklet for
Yxy(100.0000, 0.4084, 0.3988)
contains.

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Color

Yxy(88.6057, 0.3707, 0.4096)

Conversions

Conversions Part 1

Format	Color
Hex	FFF4A3
RGB	255, 244, 163
RGB Percent	100%, 96%, 64%
CMY	0.0002, 0.0431, 0.3608
CMYK	0.00, 0.04, 0.36, 0.00
HSL	53°, 100%, 82%
HSV	53°, 36%, 100%
XYZ	80.1908, 88.6057, 47.5261
YIQ	238.0550, 32.5570, -22.8590

Conversions

Conversions Part 2

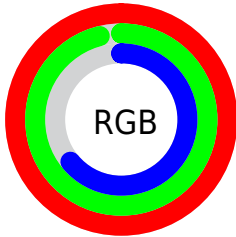
Format	Color
R_{YB}	175, 255, 163
Decimal	16774307
CIE _{Lab}	95.42, -7.78, 40.38
CIE _{LCh}	95, 41.126, 100.903
Yxy	88.6057, 0.3707, 0.4096
Android (android.graphics.Color)	4294964387 (0xFFFFF4A3)
YUV	238.0550, -37.0021, 14.8608
Hunter-Lab	94.1306, -12.6627, 35.9562

Details

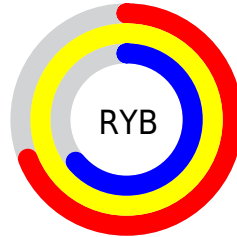
The Yxy color **88.6057, 0.3707, 0.4096** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.2544, 0.2485, 0.2329**, and the grayscale version is **85.8168, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8945, 0.3339, 0.3641**, and **48.9625, 0.3821, 0.4270** is the 20% darker color. If you saturate the color by 10%, you get **85.9751, 0.3869, 0.4308**, and if you desaturate by 10%, it is **91.4586, 0.3541, 0.3872**.

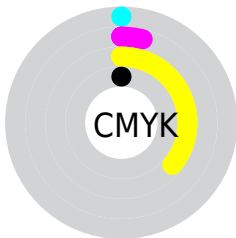
Distribution



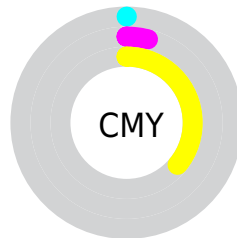
- Red (100%)
- Green (96%)
- Blue (64%)



- Red (69%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (4%)
- Yellow (36%)
- Black (0%)



- Cyan (0%)
- Magenta (4%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 88.6057, 0.3707, 0.4096 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 88.6057, 0.3707, 0.4096 by changing the saturation by 10% instead.


 88.6057, 0.3707,
0.4096


 88.6057, 0.3707,
0.4096


523.4847, 0.3456,
0.3736

 66.8248, 0.3759,
0.4174

 145.4001, 0.3624,
0.3974

 48.9423, 0.3821,
0.4267


 181.1824, 0.3591,
0.3926

 34.5737, 0.3894,
0.4382


222.4007, 0.3561,
0.3884

 23.3347, 0.3982,
0.4523

269.4393, 0.3535,
0.3847

 14.8408, 0.4086,
0.4702

322.6826, 0.3512,
0.3815

 8.7077, 0.4207,
0.4927

382.5150, 0.3492,

 4.5510, 0.4413,

0.3786

0.5307

449.3209, 0.3473,
0.3760

■ 1.9863, 0.4432,
0.5568

■ 0.5995, 0.3879,
0.6121

■ 88.6057, 0.3707,
0.4096

■ 88.6057, 0.3707,
0.4096

■ 85.9751, 0.3869,
0.4308

■ 91.4586, 0.3541,
0.3872

■ 83.5435, 0.4022,
0.4497

■ 94.5321, 0.3377,
0.3645

■ 81.3025, 0.4157,
0.4654

■ 97.8399, 0.3219,
0.3421

■ 79.2378, 0.4268,
0.4770

99.9926, 0.3127,
0.3290

■ 77.3330, 0.4352,
0.4841

■ 75.5678, 0.4407,
0.4867

■ 74.9000, 0.4424,
0.4869

Harmonies

Analogous

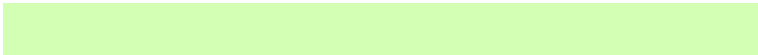
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



88.6057, 0.3994, 0.3868



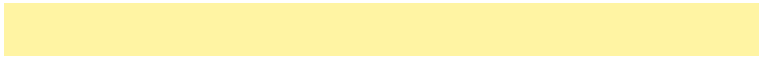
88.6057, 0.3707, 0.4096



88.6057, 0.3275, 0.4097

Triad

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



88.6057, 0.3707, 0.4096



88.6057, 0.2293, 0.2949



88.6057, 0.3396, 0.2829

Complementary

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



88.6057, 0.3707, 0.4096



45.2544, 0.2485, 0.2329

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.



88.6057, 0.2925, 0.2613



88.6057, 0.3707, 0.4096



88.6057, 0.2318, 0.2656

Square

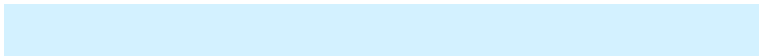
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.6057, 0.3707, 0.4096



88.6057, 0.2470, 0.3382



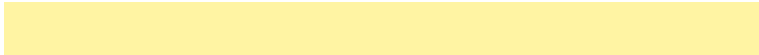
88.6057, 0.2540, 0.2546



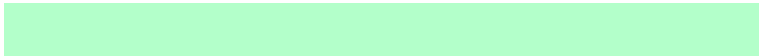
88.6057, 0.3817, 0.3152

Rectangle

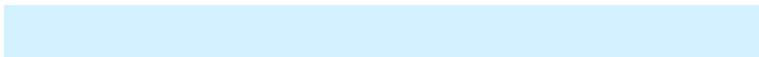
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.6057, 0.3707, 0.4096



88.6057, 0.2968, 0.3944



88.6057, 0.2540, 0.2546



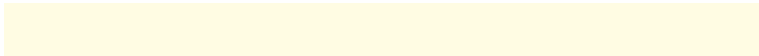
88.6057, 0.3237, 0.2743

Sweetspot

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



88.6097, 0.3707, 0.4096



96.2123, 0.3296, 0.3531



50.5530, 0.3885, 0.3163



20.4978, 0.3317, 0.3561



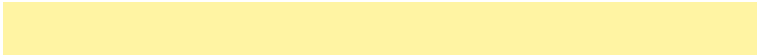
0.0000, 0.0000, 0.0000



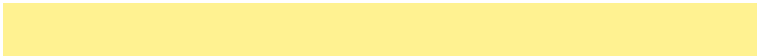
21.4041, 0.3127, 0.3290

Same Dimension

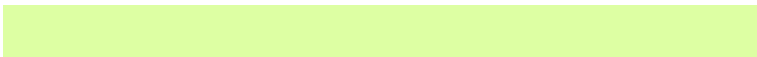
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.6097, 0.3707, 0.4096



86.7916, 0.3820, 0.4245



89.5496, 0.3442, 0.4266



20.6999, 0.3272, 0.3497



39.2968, 0.4420, 0.4873



3.9260, 0.4390, 0.4896

Inverse Universe

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



45.2544, 0.2485, 0.2329



37.8609, 0.2343, 0.2108



45.2450, 0.2707, 0.2265



17.7257, 0.2979, 0.3074



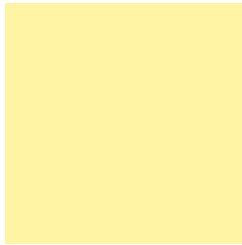
4.3757, 0.1524, 0.0685



0.5320, 0.1565, 0.0832

Previews

White Background



This preview shows how the Yxy color 88.6057, 0.3707, 0.4096 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 88.6057, 0.3707, 0.4096 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

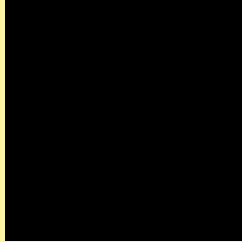
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 88.6057, 0.3707, 0.4096

Background



This preview shows how black text looks on a background with the Yxy color 88.6057, 0.3707, 0.4096.

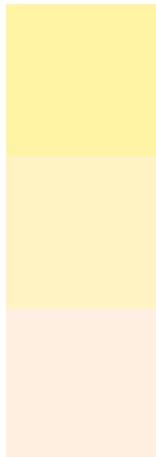


This preview shows how white text looks on a background with the Yxy color 88.6057, 0.3707, 0.4096.

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

88.6057, 0.3707, 0.4096

Protanopia

88.7044, 0.3511, 0.3760

Deuteranopia

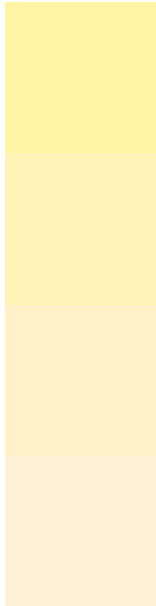
88.4292, 0.3323, 0.3429



Tritanopia

88.5438, 0.3185, 0.3193

Trichromacy



Original Color

88.6057, 0.3707, 0.4096

Protanomaly

88.7801, 0.3586, 0.3890

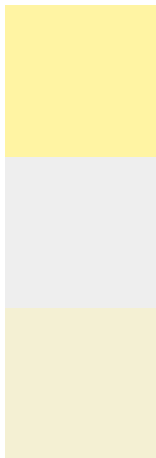
Deuteranomaly

88.4349, 0.3468, 0.3680

Tritanomaly

88.5380, 0.3379, 0.3529

Monochromacy



Original Color

88.6057, 0.3707, 0.4096

Achromatopsia

85.4993, 0.3127, 0.3290

Achromatomaly

86.2564, 0.3335, 0.3586

CSS Examples

Text

The CSS property to change the color of the text to Yxy 88.6057, 0.3707, 0.4096 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, 244, 163)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 163)  
}
```

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, 244, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 163) }
```

Border

The CSS property to change the border of an element to Yxy 88.6057, 0.3707, 0.4096 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, 244, 163) }
```

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

```
.border{ border-color:rgb(255, 244, 163) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 244, 163)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 163);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 88.6057, 0.3707, 0.4096 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 163) }
```

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

```
.background{ background-color: rgb(255,  
244, 163) }
```

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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