

Converting Colors

$Y_{xy}(123.8736, 0.4539, 0.3842)$

Have a look what the booklet for
Yxy(123.8736, 0.4539, 0.3842)
contains.

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Color

Yxy(90.5347, 0.3680, 0.4093)

Conversions

Conversions Part 1

Format	Color
Hex	FFF7A6
RGB	255, 247, 166
RGB Percent	100%, 97%, 65%
CMY	0.0000, 0.0314, 0.3490
CMYK	0.00, 0.03, 0.35, 0.00
HSL	55°, 100%, 83%
HSV	55°, 35%, 100%
XYZ	81.3994, 90.5347, 49.2599
YIQ	240.1580, 30.7690, -23.4950

Conversions

Conversions Part 2

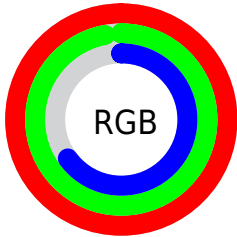
Format	Color
R_{YB}	175, 255, 166
Decimal	16775078
CIE _{Lab}	96.22, -8.88, 39.94
CIE _{LCh}	96, 40.919, 102.529
Yxy	90.5347, 0.3680, 0.4093
Android (android.graphics.Color)	4294965158 (0xFFFFF7A6)
YUV	240.1580, -36.5599, 13.0164
Hunter-Lab	95.1497, -13.8075, 35.9098

Details

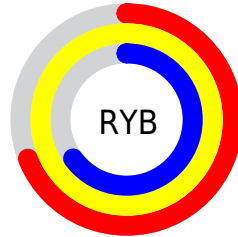
The Yxy color **90.5347, 0.3680, 0.4093** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **45.6034, 0.2504, 0.2334**, and the grayscale version is **87.5351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.0539, 0.3321, 0.3611**, and **50.3242, 0.3785, 0.4267** is the 20% darker color. If you saturate the color by 10%, you get **88.2876, 0.3837, 0.4312**, and if you desaturate by 10%, it is **92.9707, 0.3517, 0.3863**.

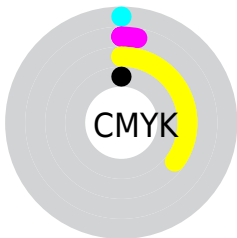
Distribution



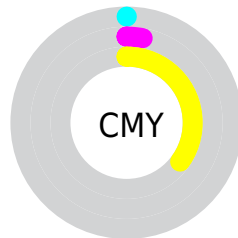
- Red (100%)
- Green (97%)
- Blue (65%)



- Red (69%)
- Yellow (100%)
- Blue (65%)



- Cyan (0%)
- Magenta (3%)
- Yellow (35%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.5347, 0.3680, 0.4093 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 90.5347, 0.3680, 0.4093 by changing the saturation by 10% instead.


 90.5347, 0.3680,
0.4093

 90.5347, 0.3680,
0.4093


529.7687, 0.3442,
0.3735

 68.4242, 0.3729,
0.4171


 148.0809, 0.3602,
0.3972

 50.2429, 0.3787,
0.4264


 184.2854, 0.3570,
0.3924

 35.6065, 0.3856,
0.4378


225.9567, 0.3542,
0.3882

 24.1304, 0.3939,
0.4520

273.4791, 0.3518,
0.3845

 15.4304, 0.4037,
0.4698

327.2372, 0.3496,
0.3813

 9.1220, 0.4150,
0.4926

387.6152, 0.3476,

 4.8208, 0.4318,

0.3784

0.5279

454.9975, 0.3458,
0.3758

■ 2.1425, 0.4381,
0.5619

■ 0.6884, 0.3886,
0.6114

■ 90.5347, 0.3680,
0.4093

■ 90.5347, 0.3680,
0.4093

■ 88.2876, 0.3837,
0.4312

■ 92.9707, 0.3517,
0.3863

■ 86.2392, 0.3984,
0.4508

■ 95.6267, 0.3356,
0.3629

■ 84.3703, 0.4113,
0.4673

■ 98.5051, 0.3201,
0.3399

■ 82.6670, 0.4218,
0.4797

100.0000, 0.3127,
0.3290

■ 81.1133, 0.4296,
0.4877

■ 79.6895, 0.4346,
0.4912

■ 78.9993, 0.4364,
0.4917

Harmonies

Analogous

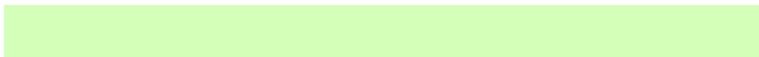
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5347, 0.3974, 0.3878



90.5347, 0.3680, 0.4093



90.5347, 0.3249, 0.4079

Triad

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



90.5347, 0.3680, 0.4093



90.5347, 0.2298, 0.2933



90.5347, 0.3418, 0.2850

Complementary

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



90.5347, 0.3680, 0.4093



45.6034, 0.2504, 0.2334

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.



90.5347, 0.2952, 0.2629



90.5347, 0.3680, 0.4093



90.5347, 0.2334, 0.2653

Square

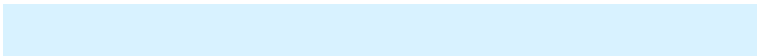
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.5347, 0.3680, 0.4093



90.5347, 0.2463, 0.3356



90.5347, 0.2563, 0.2554



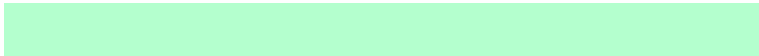
90.5347, 0.3826, 0.3173

Rectangle

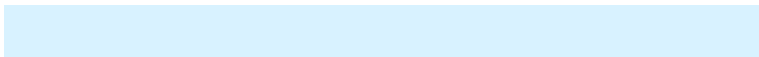
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.5347, 0.3680, 0.4093



90.5347, 0.2947, 0.3918



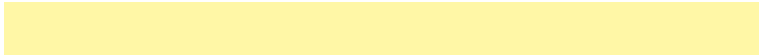
90.5347, 0.2563, 0.2554



90.5347, 0.3262, 0.2762

Sweetspot

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



90.5278, 0.3680, 0.4093



97.0093, 0.3279, 0.3516



51.6236, 0.3879, 0.3199



20.6780, 0.3301, 0.3548



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

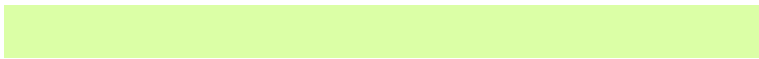
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.5278, 0.3680, 0.4093



88.9175, 0.3792, 0.4250



89.3954, 0.3413, 0.4239



20.7945, 0.3271, 0.3504



41.3943, 0.4361, 0.4920



4.1089, 0.4339, 0.4937

Inverse Universe

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



45.6034, 0.2504, 0.2334



37.8039, 0.2357, 0.2102



46.9932, 0.2747, 0.2307



17.6405, 0.2979, 0.3066



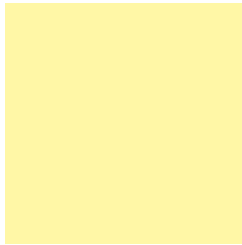
4.1802, 0.1516, 0.0658



0.4919, 0.1549, 0.0777

Previews

White Background



This preview shows how the Yxy color 90.5347, 0.3680, 0.4093 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 90.5347, 0.3680, 0.4093 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

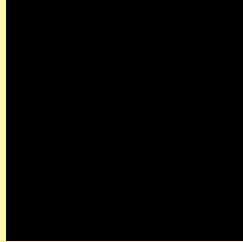
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.5347, 0.3680, 0.4093

Background



This preview shows how black text looks on a background with the Yxy color 90.5347, 0.3680, 0.4093.

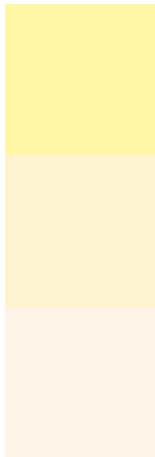


This preview shows how white text looks on a background with the Yxy color 90.5347, 0.3680, 0.4093.

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

90.5347, 0.3680, 0.4093

Protanopia

90.4664, 0.3431, 0.3658

Deuteranopia

90.5338, 0.3281, 0.3398



Tritanopia

90.4197, 0.3171, 0.3203

Trichromacy



Original Color

90.5347, 0.3680, 0.4093



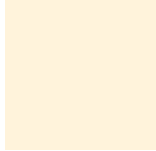
Protanomaly

90.3706, 0.3524, 0.3818



Deuteranomaly

90.4664, 0.3431, 0.3658



Tritanomaly

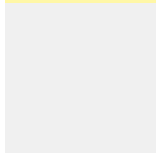
90.4757, 0.3356, 0.3527

Monochromacy



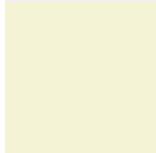
Original Color

90.5347, 0.3680, 0.4093



Achromatopsia

87.1367, 0.3127, 0.3290



Achromatomaly

88.3178, 0.3326, 0.3594

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.5347, 0.3680, 0.4093 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, 247, 166)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 166)  
}
```

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, 247, 166) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 166) }
```

Border

The CSS property to change the border of an element to Yxy 90.5347, 0.3680, 0.4093 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, 247, 166) }
```

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

```
.border{ border-color:rgb(255, 247, 166) }
```

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

Here you see how a box with a 4 pixel rgb(255, 247, 166) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 166); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 166);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
166) }
```


Background

The CSS property to change the background color of an element to Yxy 90.5347, 0.3680, 0.4093 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 166) }
```

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

```
.background{ background-color: rgb(255,  
247, 166) }
```

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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