

Converting Colors

$Y_{xy}(100.0000, 0.4064, 0.4100)$

Have a look what the booklet for
Yxy(100.0000, 0.4064, 0.4100)
contains.

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Color

Yxy(90.1146, 0.3751, 0.4207)

Conversions

Conversions Part 1

Format	Color
Hex	FFF79A
RGB	255, 247, 154
RGB Percent	100%, 97%, 60%
CMY	0.0000, 0.0314, 0.3960
CMYK	0.00, 0.03, 0.40, 0.00
HSL	55°, 100%, 80%
HSV	55°, 40%, 100%
XYZ	80.3470, 90.1146, 43.7400
YIQ	238.7900, 34.6210, -27.2270

Conversions

Conversions Part 2

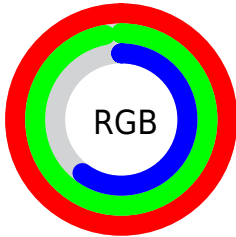
Format	Color
RYB	163, 255, 154
Decimal	16775066
CIELab	96.04, -10.18, 45.61
CIELCh	96, 46.731, 102.586
Yxy	90.1146, 0.3751, 0.4207
Android (android.graphics.Color)	4294965146 (0xFFFFFFFF79A)
YUV	238.7900, -41.8015, 14.2162
Hunter-Lab	94.9287, -15.0441, 39.1313

Details

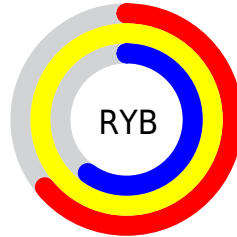
The Yxy color **90.1146, 0.3751, 0.4207** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **39.9441, 0.2405, 0.2168**, and the grayscale version is **86.4530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **50.0715, 0.3869, 0.4402** is the 20% darker color. If you saturate the color by 10%, you get **88.1186, 0.3902, 0.4418**, and if you desaturate by 10%, it is **92.2959, 0.3592, 0.3979**.

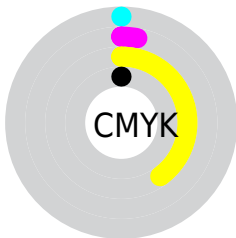
Distribution



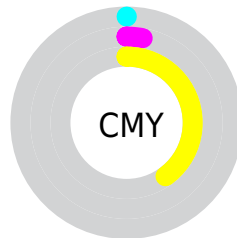
- Red (100%)
- Green (97%)
- Blue (60%)



- Red (64%)
- Yellow (100%)
- Blue (60%)



- Cyan (0%)
- Magenta (3%)
- Yellow (40%)
- Black (0%)





- Cyan (0%)
- Magenta (3%)
- Yellow (40%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.1146, 0.3751, 0.4207 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 90.1146, 0.3751, 0.4207 by changing the saturation by 10% instead.


 90.1146, 0.3751,
0.4207


 90.1146, 0.3751,
0.4207


528.4036, 0.3486,
0.3799

 68.0757, 0.3805,
0.4294


 147.4976, 0.3664,
0.4070

 49.9593, 0.3868,
0.4399


 183.6104, 0.3629,
0.4015

 35.3811, 0.3941,
0.4526


225.1834, 0.3598,
0.3967

 23.9566, 0.4026,
0.4682

272.6008, 0.3570,
0.3926

 15.3014, 0.4124,
0.4874

326.2472, 0.3546,
0.3888

 9.0312, 0.4227,
0.5112

386.5068, 0.3524,

 4.7615, 0.4442,

0.3855

0.5558

453.7642, 0.3504,
0.3826

■ 2.1080, 0.4303,
0.5697

■ 0.6691, 0.3667,
0.6333

■ 90.1146, 0.3751,
0.4207

■ 90.1146, 0.3751,
0.4207

■ 88.1186, 0.3902,
0.4418

■ 92.2959, 0.3592,
0.3979

■ 86.3092, 0.4038,
0.4602

■ 94.6860, 0.3431,
0.3744

■ 84.6692, 0.4153,
0.4750

■ 97.2903, 0.3273,
0.3509

■ 83.1839, 0.4242,
0.4854

100.0000, 0.3127,
0.3290

■ 81.8357, 0.4304,
0.4914

■ 80.5973, 0.4341,
0.4934

■ 80.5486, 0.4342,
0.4934

Harmonies

Analogous

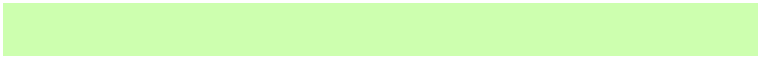
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1146, 0.4091, 0.3951



90.1146, 0.3751, 0.4207



90.1146, 0.3259, 0.4201

Triad

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



90.1146, 0.3751, 0.4207



90.1146, 0.2190, 0.2876



90.1146, 0.3459, 0.2792

Complementary

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



90.1146, 0.3751, 0.4207



39.9441, 0.2405, 0.2168

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.



90.1146, 0.2925, 0.2544



90.1146, 0.3751, 0.4207



90.1146, 0.2231, 0.2564

Square

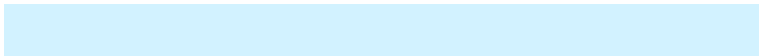
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.1146, 0.3751, 0.4207



90.1146, 0.2372, 0.3360



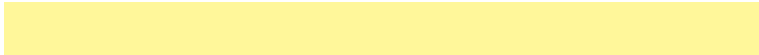
90.1146, 0.2487, 0.2458



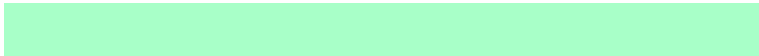
90.1146, 0.3929, 0.3153

Rectangle

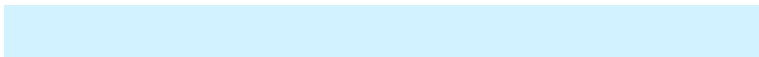
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.1146, 0.3751, 0.4207



90.1146, 0.2916, 0.4016



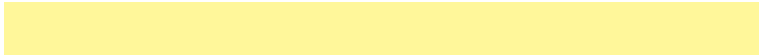
90.1146, 0.2487, 0.2458



90.1146, 0.3279, 0.2694

Sweetspot

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



90.1103, 0.3751, 0.4207



96.6449, 0.3310, 0.3565



47.0031, 0.4047, 0.3204



20.6120, 0.3331, 0.3595



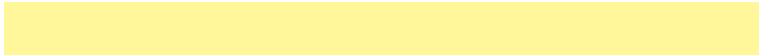
0.0000, 0.0000, 0.0000



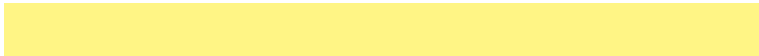
21.4041, 0.3127, 0.3290

Same Dimension

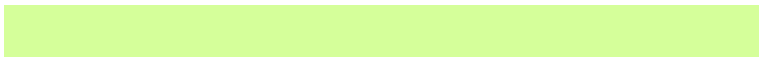
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.1103, 0.3751, 0.4207



88.4244, 0.3878, 0.4386



87.9890, 0.3435, 0.4379



20.8296, 0.3271, 0.3507



42.1917, 0.4340, 0.4936



4.1782, 0.4321, 0.4951

Inverse Universe

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



39.9441, 0.2405, 0.2168



31.6117, 0.2229, 0.1885



42.0877, 0.2695, 0.2164



17.6091, 0.2978, 0.3064



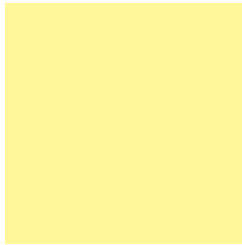
4.1190, 0.1514, 0.0649



0.4771, 0.1544, 0.0757

Previews

White Background



This preview shows how the Yxy color 90.1146, 0.3751, 0.4207 looks on a white background.

Color Contrast Check

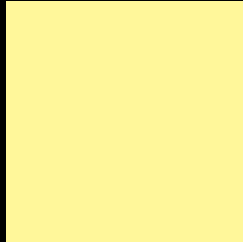
Large Text (above 18pt) WCAG AA × Fail

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 90.1146, 0.3751, 0.4207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

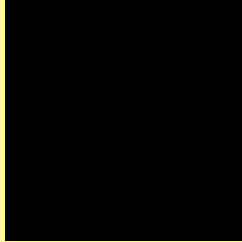
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.1146, 0.3751, 0.4207

Background



This preview shows how black text looks on a background with the Yxy color 90.1146, 0.3751, 0.4207.

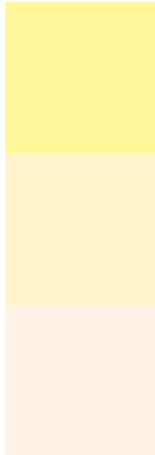


This preview shows how white text looks on a background with the Yxy color 90.1146, 0.3751, 0.4207.

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

90.1146, 0.3751, 0.4207

Protanopia

90.3210, 0.3450, 0.3688

Deuteranopia

89.8277, 0.3295, 0.3408



Tritanopia

89.7703, 0.3177, 0.3203

Trichromacy



Original Color

90.1146, 0.3751, 0.4207



Protanomaly

90.1100, 0.3562, 0.3878



Deuteranomaly

89.6255, 0.3464, 0.3699



Tritanomaly

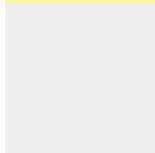
89.6193, 0.3389, 0.3568

Monochromacy



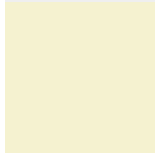
Original Color

90.1146, 0.3751, 0.4207



Achromatopsia

86.3157, 0.3127, 0.3290



Achromatomaly

87.4708, 0.3359, 0.3636

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.1146, 0.3751, 0.4207 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, 154)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 154)  
}
```

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, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 154) }
```

Border

The CSS property to change the border of an element to Yxy 90.1146, 0.3751, 0.4207 is called "border". The border property can be set on classes, ids or directly on the HTML element.

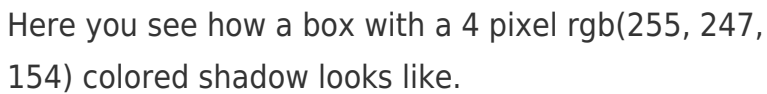
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(255, 247, 154) }
```

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

```
.border{ border-color:rgb(255, 247, 154) }
```

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, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 154);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 90.1146, 0.3751, 0.4207 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, 154) }
```

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

```
.background{ background-color: rgb(255,  
247, 154) }
```

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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