

Converting Colors

$Y_{xy}(90.2535, 0.3897, 0.4466)$

Have a look what the booklet for
Yxy(90.2535, 0.3897, 0.4466)
contains.

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Color

Yxy(90.5177, 0.3896, 0.4471)

Conversions

Conversions Part 1

Format	Color
Hex	FFF97E
RGB	255, 249, 126
RGB Percent	100%, 98%, 49%
CMY	0.0001, 0.0235, 0.5058
CMYK	0.00, 0.02, 0.51, 0.00
HSL	57°, 100%, 75%
HSV	57°, 51%, 100%
XYZ	78.8765, 90.5177, 33.0609
YIQ	236.7720, 43.0590, -36.9810

Conversions

Conversions Part 2

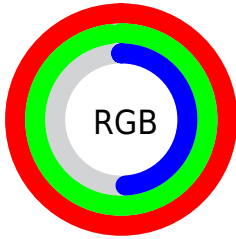
Format	Color
R_{YB}	132, 255, 126
Decimal	16775550
CIE _{Lab}	96.21, -13.80, 59.04
CIE _{LCh}	96, 60.634, 103.159
Yxy	90.5177, 0.3896, 0.4471
Android (android.graphics.Color)	4294965630 (0xFFFFF97E)
YUV	236.7720, -54.6106, 15.9860
Hunter-Lab	95.1408, -18.5109, 45.9956

Details

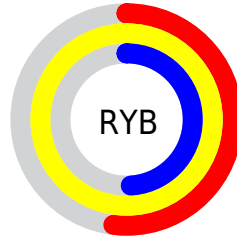
The Yxy color **90.5177, 0.3896, 0.4471** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **28.1562, 0.2165, 0.1746**, and the grayscale version is **84.9089, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.1162, 0.3567, 0.4018**, and **50.3436, 0.4022, 0.4708** is the 20% darker color. If you saturate the color by 10%, you get **89.2184, 0.4022, 0.4655**, and if you desaturate by 10%, it is **91.9977, 0.3753, 0.4257**.

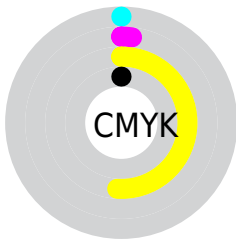
Distribution



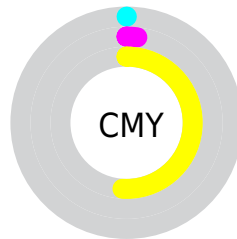
- Red (100%)
- Green (98%)
- Blue (49%)



- Red (52%)
- Yellow (100%)
- Blue (49%)



- Cyan (0%)
- Magenta (2%)
- Yellow (51%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (51%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.5177, 0.3896, 0.4471 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 90.5177, 0.3896, 0.4471 by changing the saturation by 10% instead.


 90.5177, 0.3896,
0.4471


 90.5177, 0.3896,
0.4471

529.7135, 0.3581,
0.3952

 68.4101, 0.3955,
0.4579


 148.0573, 0.3796,
0.4299

 50.2314, 0.4022,
0.4705


 184.2581, 0.3755,
0.4230

 35.5973, 0.4096,
0.4855


 225.9254, 0.3718,
0.4169

 24.1234, 0.4173,
0.5031

273.4436, 0.3684,
0.4115

 15.4252, 0.4247,
0.5236

327.1971, 0.3655,
0.4068

 9.1183, 0.4338,
0.5519

387.5703, 0.3628,

 4.8184, 0.4286,

0.4025

0.5714

454.9477, 0.3603,
0.3987

■ 2.1411, 0.4098,
0.5902

■ 0.6876, 0.3153,
0.6847

■ 90.5177, 0.3896,
0.4471

■ 90.5177, 0.3896,
0.4471

■ 89.2184, 0.4022,
0.4655

■ 91.9977, 0.3753,
0.4257

■ 88.0742, 0.4125,
0.4802


■ 93.6574, 0.3600,
0.4025

■ 87.0744, 0.4202,
0.4905

■ 95.5117, 0.3443,
0.3783

■ 86.2011, 0.4252,
0.4964

■ 97.5703, 0.3287,
0.3540

 85.4669, 0.4278,
0.4985

99.8424, 0.3136,
0.3303

99.9956, 0.3127,
0.3290

Harmonies

Analogous

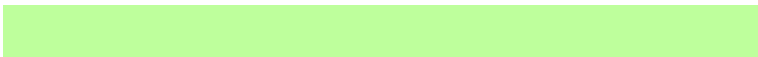
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5177, 0.4351, 0.4113



90.5177, 0.3896, 0.4471



90.5177, 0.3263, 0.4492

Triad

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



90.5177, 0.3896, 0.4471



90.5177, 0.1946, 0.2730



90.5177, 0.3562, 0.2668

Complementary

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



90.5177, 0.3896, 0.4471



28.1562, 0.2165, 0.1746

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.



90.5177, 0.2872, 0.2361



90.5177, 0.3896, 0.4471



90.5177, 0.2005, 0.2357

Square

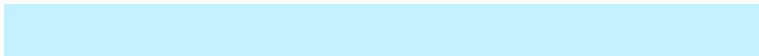
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.5177, 0.3896, 0.4471



90.5177, 0.2157, 0.3353



90.5177, 0.2321, 0.2245



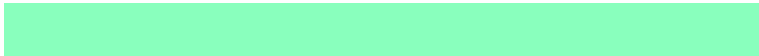
90.5177, 0.4177, 0.3111

Rectangle

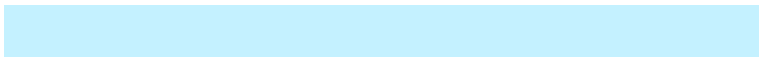
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.5177, 0.3896, 0.4471



90.5177, 0.2828, 0.4247



90.5177, 0.2321, 0.2245



90.5177, 0.3328, 0.2547

Sweetspot

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



90.5219, 0.3896, 0.4471



96.6532, 0.3356, 0.3647



37.8631, 0.4510, 0.3229



20.5953, 0.3389, 0.3698



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

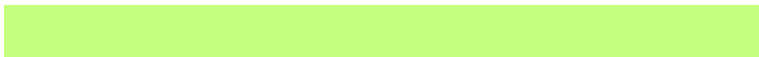
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.5219, 0.3896, 0.4471



89.1849, 0.4027, 0.4663



84.8757, 0.3469, 0.4709



20.9382, 0.3270, 0.3514



44.7306, 0.4276, 0.4987



4.3980, 0.4266, 0.4995

Inverse Universe

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



28.1562, 0.2165, 0.1746



20.3394, 0.1952, 0.1395



32.3441, 0.2572, 0.1837



17.5124, 0.2978, 0.3056



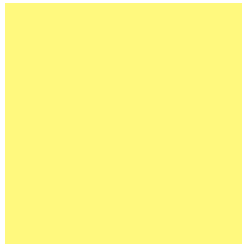
3.9646, 0.1508, 0.0627



0.4313, 0.1526, 0.0693

Previews

White Background



This preview shows how the Yxy color 90.5177, 0.3896, 0.4471 looks on a white background.

Color Contrast Check

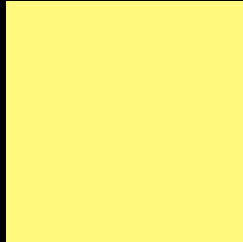
Large Text (above 18pt) WCAG AA × Fail

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 90.5177, 0.3896, 0.4471 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 90.5177, 0.3896, 0.4471

Background



This preview shows how black text looks on a background with the Yxy color 90.5177, 0.3896, 0.4471.

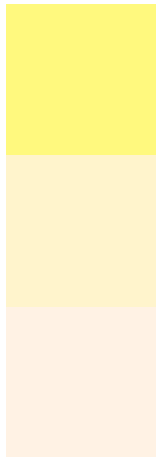


This preview shows how white text looks on a background with the Yxy color 90.5177, 0.3896, 0.4471.

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

90.5177, 0.3896, 0.4471

Protanopia

90.3210, 0.3450, 0.3688

Deuteranopia

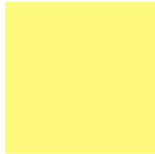
90.3657, 0.3300, 0.3428



Tritanopia

90.3575, 0.3177, 0.3213

Trichromacy



Original Color

90.5177, 0.3896, 0.4471



Protanomaly

90.3061, 0.3621, 0.3987



Deuteranomaly

90.3264, 0.3530, 0.3828



Tritanomaly

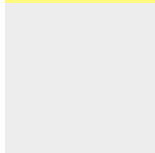
89.7208, 0.3452, 0.3678

Monochromacy



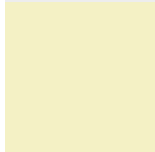
Original Color

90.5177, 0.3896, 0.4471



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.1749, 0.3423, 0.3742

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.5177, 0.3896, 0.4471 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, 249, 126)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 126)  
}
```

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, 249, 126) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 126) }
```

Border

The CSS property to change the border of an element to Yxy 90.5177, 0.3896, 0.4471 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, 249, 126) }
```

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

```
.border{ border-color:rgb(255, 249, 126) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 126)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 126); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 126);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
126) }
```


Background

The CSS property to change the background color of an element to Yxy 90.5177, 0.3896, 0.4471 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 126) }
```

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

```
.background{ background-color: rgb(255,  
249, 126) }
```

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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