

Converting Colors

$Yxy(91.9798, 0.3805, 0.4591)$

Have a look what the booklet for
Yxy(91.9798, 0.3805, 0.4591)
contains.

Yxy(91.9798, 0.3805, 0.4591)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(91.9798, 0.3805, 0.4591)

Conversions

Conversions Part 1

Format	Color
Hex	F3FF7A
RGB	243, 255, 122
RGB Percent	95%, 100%, 48%
CMY	0.0471, 0.0000, 0.5217
CMYK	0.05, 0.00, 0.52, 0.00
HSL	65°, 100%, 74%
HSV	65°, 52%, 100%
XYZ	76.2324, 91.9798, 32.1358
YIQ	236.2500, 35.5410, -43.9070

Conversions

Conversions Part 2

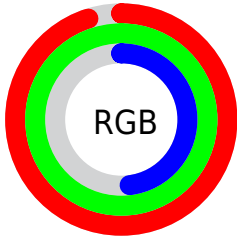
Format	Color
R_{YB}	122, 255, 134
Decimal	15990650
CIE _{Lab}	96.81, -21.70, 61.34
CIE _{LCh}	97, 65.070, 109.484
Yxy	91.9798, 0.3805, 0.4591
Android (android.graphics.Color)	4294180730 (0xFFFF3FF7A)
YUV	236.2500, -56.3252, 5.9197
Hunter-Lab	95.9061, -25.9522, 47.2676

Details

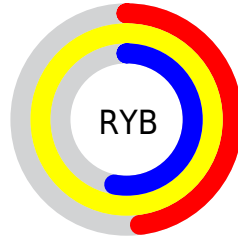
The Yxy color **91.9798, 0.3805, 0.4591** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **26.1962, 0.2193, 0.1649**, and the grayscale version is **84.4974, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.9944, 0.3585, 0.4047**, and **50.9838, 0.3904, 0.4858** is the 20% darker color. If you saturate the color by 10%, you get **91.0205, 0.3900, 0.4792**, and if you desaturate by 10%, it is **93.1073, 0.3691, 0.4360**.

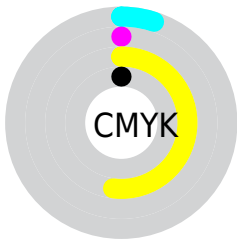
Distribution



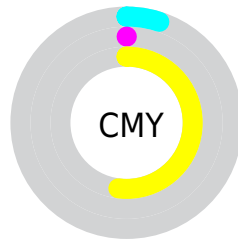
- Red (95%)
- Green (100%)
- Blue (48%)



- Red (48%)
- Yellow (100%)
- Blue (53%)



- Cyan (5%)
- Magenta (0%)
- Yellow (52%)
- Black (0%)





- Cyan (5%)
- Magenta (0%)
- Yellow (52%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 91.9798, 0.3805, 0.4591 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 91.9798, 0.3805, 0.4591 by changing the saturation by 10% instead.


 91.9798, 0.3805,
0.4591

 91.9798, 0.3805,
0.4591


534.4502, 0.3537,
0.4013


 69.6239, 0.3853,
0.4712


 150.0854, 0.3723,
0.4398

 51.2199, 0.3904,
0.4856


 186.6038, 0.3688,
0.4321

 36.3837, 0.3958,
0.5027


 228.6119, 0.3656,
0.4253

 24.7307, 0.4009,
0.5230

276.4940, 0.3627,
0.4194

 15.8765, 0.4046,
0.5469

330.6344, 0.3602,
0.4141

 9.4368, 0.4093,
0.5816


391.4177, 0.3578,


 5.0272, 0.3950,


0.4094


0.6050


459.2282, 0.3557,
0.4051


 2.2632, 0.3657,
0.6343

 0.7541, 0.1987,
0.8013


 91.9798, 0.3805,
0.4591


 91.9798, 0.3805,
0.4591


 91.0205, 0.3900,
0.4792


 93.1073, 0.3691,
0.4360

 90.2202, 0.3970,
0.4955

 94.4189, 0.3564,
0.4110

 89.5622, 0.4015,
0.5074

 95.9241, 0.3429,
0.3852

 89.0280, 0.4033,
0.5148

 97.6327, 0.3292,
0.3594

 88.6746, 0.4033,
0.5180

 99.5540, 0.3156,
0.3343

100.0000, 0.3127,
0.3290

Harmonies

Analogous

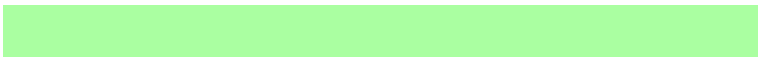
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.9798, 0.4347, 0.4254



91.9798, 0.3805, 0.4591



91.9798, 0.3116, 0.4523

Triad

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



91.9798, 0.3805, 0.4591



91.9798, 0.1868, 0.2582



91.9798, 0.3744, 0.2719

Complementary

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



91.9798, 0.3805, 0.4591



26.1962, 0.2193, 0.1649

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.



91.9798, 0.3001, 0.2361



91.9798, 0.3805, 0.4591



91.9798, 0.1989, 0.2253

Square

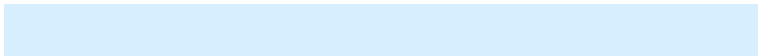
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.9798, 0.3805, 0.4591



91.9798, 0.2026, 0.3195



91.9798, 0.2375, 0.2192



91.9798, 0.4350, 0.3204

Rectangle

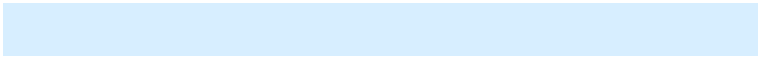
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



91.9798, 0.3805, 0.4591



91.9798, 0.2667, 0.4193



91.9798, 0.2375, 0.2192



91.9798, 0.3497, 0.2582

Sweetspot

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



91.9785, 0.3805, 0.4591



96.9538, 0.3344, 0.3692



39.4534, 0.4589, 0.3407



20.6767, 0.3372, 0.3745



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.



91.9785, 0.3805, 0.4591



90.9483, 0.3906, 0.4807



82.3180, 0.3361, 0.4812



21.0025, 0.3255, 0.3526



46.3688, 0.4036, 0.5178



4.5381, 0.4055, 0.5163

Inverse Universe

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



26.1962, 0.2193, 0.1649



18.5291, 0.1976, 0.1290



33.3506, 0.2698, 0.1847



17.4561, 0.2993, 0.3045



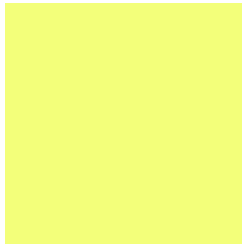
3.8941, 0.1529, 0.0616



0.4044, 0.1589, 0.0649

Previews

White Background



This preview shows how the Yxy color 91.9798, 0.3805, 0.4591 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 91.9798, 0.3805, 0.4591 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

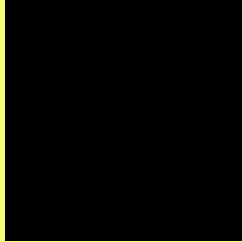
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 91.9798, 0.3805, 0.4591

Background



This preview shows how black text looks on a background with the Yxy color 91.9798, 0.3805, 0.4591.



This preview shows how white text looks on a background with the Yxy color 91.9798, 0.3805, 0.4591.

Color Blindness Simulation

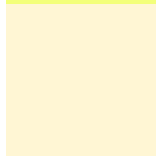
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



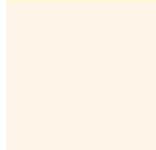
Original Color

91.9798, 0.3805, 0.4591



Protanopia

91.9250, 0.3396, 0.3626



Deuteranopia

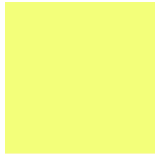
91.7876, 0.3273, 0.3408



Tritanopia

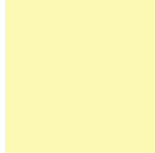
91.7951, 0.3127, 0.3165

Trichromacy



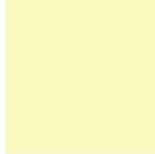
Original Color

91.9798, 0.3805, 0.4591



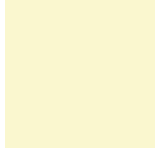
Protanomaly

91.5153, 0.3567, 0.3991



Deuteranomaly

91.4498, 0.3490, 0.3851



Tritanomaly

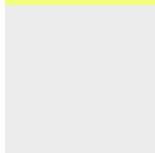
91.3505, 0.3391, 0.3690

Monochromacy



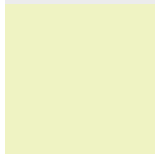
Original Color

91.9798, 0.3805, 0.4591



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

86.3920, 0.3397, 0.3787

CSS Examples

Text

The CSS property to change the color of the text to Yxy 91.9798, 0.3805, 0.4591 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(243, 255, 122)` looks like.

```
.text, #text, p{  
    color:rgb(243, 255, 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(243, 255, 122) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 255, 122) }
```

Border

The CSS property to change the border of an element to Yxy 91.9798, 0.3805, 0.4591 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(243, 255, 122) }
```

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

```
.border{ border-color:rgb(243, 255, 122) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 255, 122)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 255, 122); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 255, 122);  
box-shadow:4px 4px 4px 4px rgb(243, 255,  
122) }
```


Background

The CSS property to change the background color of an element to Yxy 91.9798, 0.3805, 0.4591 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 255, 122) }
```

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

```
.background{ background-color: rgb(243,  
255, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor