

Converting Colors

$Y_{xy}(100.0000, 0.3748, 0.4566)$

Have a look what the booklet for
Yxy(100.0000, 0.3748, 0.4566)
contains.

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Color

Yxy(93.1424, 0.3791, 0.4490)

Conversions

Conversions Part 1

Format	Color
Hex	F8FF84
RGB	248, 255, 132
RGB Percent	97%, 100%, 52%
CMY	0.0274, 0.0000, 0.4824
CMYK	0.03, 0.00, 0.48, 0.00
HSL	63°, 100%, 76%
HSV	63°, 48%, 100%
XYZ	78.6421, 93.1424, 35.6596
YIQ	238.8850, 35.3110, -39.7370

Conversions

Conversions Part 2

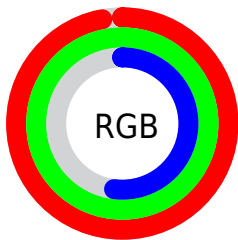
Format	Color
R _Y B	132, 255, 139
Decimal	16318340
CIE Lab	97.29, -18.90, 57.46
CIE LCh	97, 60.489, 108.207
Yxy	93.1424, 0.3791, 0.4490
Android (android.graphics.Color)	4294508420 (0xFFFF8FF84)
YUV	238.8850, -52.6943, 7.9939
Hunter-Lab	96.5103, -23.4412, 45.6501

Details

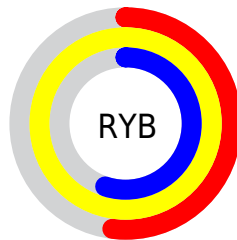
The Yxy color **93.1424, 0.3791, 0.4490** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **29.2071, 0.2246, 0.1776**, and the grayscale version is **86.6242, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.3679, 0.3532, 0.3959**, and **51.7570, 0.3895, 0.4737** is the 20% darker color. If you saturate the color by 10%, you get **92.2684, 0.3900, 0.4698**, and if you desaturate by 10%, it is **94.1974, 0.3665, 0.4256**.

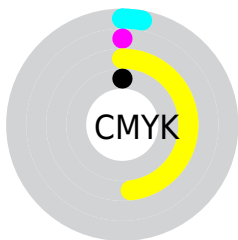
Distribution



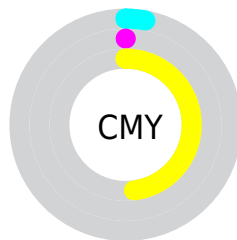
- Red (97%)
- Green (100%)
- Blue (52%)



- Red (52%)
- Yellow (100%)
- Blue (55%)



- Cyan (3%)
- Magenta (0%)
- Yellow (48%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.1424, 0.3791, 0.4490 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 93.1424, 0.3791, 0.4490 by changing the saturation by 10% instead.

 93.1424, 0.3791,
0.4490

 93.1424, 0.3791,
0.4490


538.2008, 0.3524,
0.3958

 70.5899, 0.3841,
0.4602


 151.6957, 0.3707,
0.4312

 52.0076, 0.3896,
0.4735


 188.4653, 0.3672,
0.4241

 37.0111, 0.3955,
0.4894

 230.7428, 0.3641,
0.4179

 25.2161, 0.4017,
0.5086

278.9124, 0.3612,
0.4124

 16.2381, 0.4072,
0.5314

333.3586, 0.3587,
0.4075

 9.6928, 0.4118,
0.5606

394.4658, 0.3564,

 5.1958, 0.4082,

0.4032

0.5918

462.6184, 0.3543,
0.3993

■ 2.3626, 0.3835,
0.6165

■ 0.8065, 0.2745,
0.7255

■ 93.1424, 0.3791,
0.4490

■ 93.1424, 0.3791,
0.4490

■ 92.2684, 0.3900,
0.4698

■ 94.1974, 0.3665,
0.4256

■ 91.5501, 0.3987,
0.4870

■ 95.4323, 0.3528,
0.4005

■ 90.9774, 0.4047,
0.4999

■ 96.8616, 0.3385,
0.3748

■ 90.5333, 0.4082,
0.5083

■ 98.4949, 0.3242,
0.3493

■ 90.1942, 0.4092,
0.5127

100.0000, 0.3127,
0.3290

■ 90.1396, 0.4093,
0.5132

Harmonies

Analogous

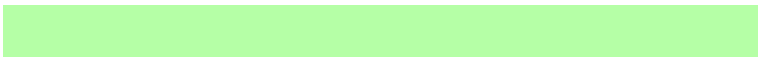
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.1424, 0.4281, 0.4179



93.1424, 0.3791, 0.4490



93.1424, 0.3152, 0.4435

Triad

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



93.1424, 0.3791, 0.4490



93.1424, 0.1950, 0.2656



93.1424, 0.3672, 0.2741

Complementary

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



93.1424, 0.3791, 0.4490



29.2071, 0.2246, 0.1776

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.



93.1424, 0.2985, 0.2409



93.1424, 0.3791, 0.4490



93.1424, 0.2052, 0.2331

Square

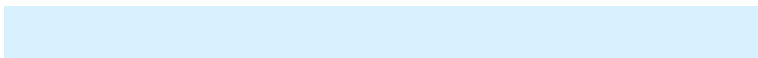
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.1424, 0.3791, 0.4490



93.1424, 0.2113, 0.3237



93.1424, 0.2407, 0.2260



93.1424, 0.4241, 0.3196

Rectangle

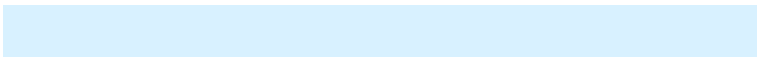
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.1424, 0.3791, 0.4490



93.1424, 0.2729, 0.4143



93.1424, 0.2407, 0.2260



93.1424, 0.3443, 0.2613

Sweetspot

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



93.1466, 0.3791, 0.4490



97.5283, 0.3324, 0.3640



41.1440, 0.4448, 0.3357



20.8014, 0.3355, 0.3695



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

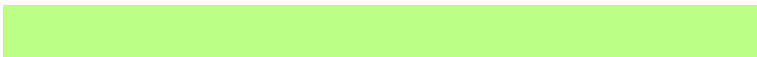
The Same Dimension uses a secret algorithm to generate beautiful new colors.



93.1466, 0.3791, 0.4490



92.2873, 0.3898, 0.4693



83.7943, 0.3378, 0.4678



21.0352, 0.3260, 0.3525



47.1225, 0.4094, 0.5131



4.6035, 0.4106, 0.5122

Inverse Universe

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



29.2071, 0.2246, 0.1776



21.4343, 0.2043, 0.1438



35.9516, 0.2706, 0.1945



17.4269, 0.2987, 0.3045



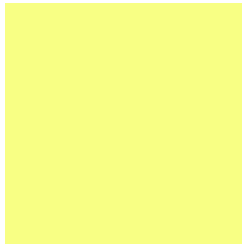
3.8427, 0.1517, 0.0609



0.3907, 0.1556, 0.0631

Previews

White Background



This preview shows how the Yxy color 93.1424, 0.3791, 0.4490 looks on a white background.

Color Contrast Check

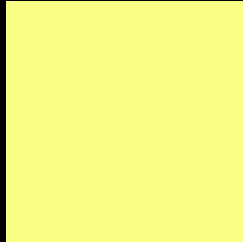
Large Text (above 18pt) WCAG AA × Fail

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 93.1424, 0.3791, 0.4490 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

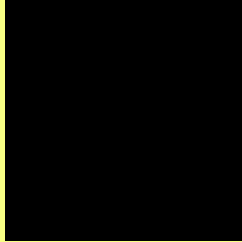
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 93.1424, 0.3791, 0.4490

Background



This preview shows how black text looks on a background with the Yxy color 93.1424, 0.3791, 0.4490.

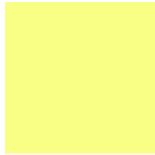


This preview shows how white text looks on a background with the Yxy color 93.1424, 0.3791, 0.4490.

Color Blindness Simulation

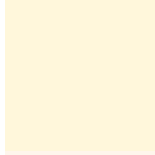
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



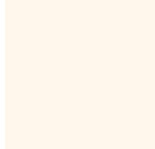
Original Color

93.1424, 0.3791, 0.4490



Protanopia

92.8960, 0.3350, 0.3566



Deuteranopia

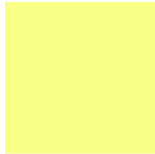
93.2277, 0.3246, 0.3388



Tritanopia

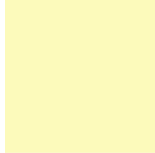
93.1171, 0.3138, 0.3194

Trichromacy



Original Color

93.1424, 0.3791, 0.4490



Protanomaly

92.6545, 0.3523, 0.3918



Deuteranomaly

92.5240, 0.3457, 0.3798



Tritanomaly

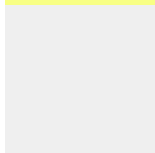
92.4834, 0.3385, 0.3668

Monochromacy



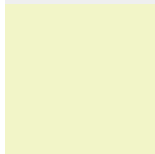
Original Color

93.1424, 0.3791, 0.4490



Achromatopsia

86.3157, 0.3127, 0.3290



Achromatomaly

88.3522, 0.3383, 0.3751

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.1424, 0.3791, 0.4490 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(248, 255, 132)` looks like.

```
.text, #text, p{  
    color:rgb(248, 255, 132)  
}
```

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(248, 255, 132) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 255, 132) }
```

Border

The CSS property to change the border of an element to Yxy 93.1424, 0.3791, 0.4490 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(248, 255, 132) }
```

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

```
.border{ border-color:rgb(248, 255, 132) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 255, 132)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 255, 132); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 255, 132);  
box-shadow:4px 4px 4px 4px rgb(248, 255,  
132) }
```


Background

The CSS property to change the background color of an element to Yxy 93.1424, 0.3791, 0.4490 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 255, 132) }
```

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

```
.background{ background-color: rgb(248,  
255, 132) }
```

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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