

Converting Colors

$Y_{xy}(107.7531, 0.3822, 0.4798)$

Have a look what the booklet for
Yxy(107.7531, 0.3822, 0.4798)
contains.

Yxy(93.3412, 0.3923, 0.4651)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(93.3412, 0.3923, 0.4651)

Conversions

Conversions Part 1

Format	Color
Hex	FCFF6E
RGB	252, 255, 110
RGB Percent	99%, 100%, 43%
CMY	0.0116, 0.0000, 0.5686
CMYK	0.01, 0.00, 0.57, 0.00
HSL	61°, 100%, 72%
HSV	61°, 57%, 100%
XYZ	78.7309, 93.3412, 28.6185
YIQ	237.5730, 44.7570, -45.7310

Conversions

Conversions Part 2

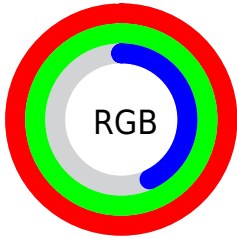
Format	Color
RYB	110, 255, 113
Decimal	16580462
CIELab	97.37, -19.07, 67.35
CIELCh	97, 69.994, 105.811
Yxy	93.3412, 0.3923, 0.4651
Android (android.graphics.Color)	4294770542 (0xFFFCFF6E)
YUV	237.5730, -62.8935, 12.6525
Hunter-Lab	96.6132, -23.6121, 50.0666

Details

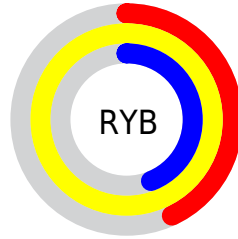
The Yxy color **93.3412, 0.3923, 0.4651** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **21.8797, 0.2035, 0.1463**, and the grayscale version is **85.6293, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5332, 0.3655, 0.4162**, and **51.9827, 0.4042, 0.4906** is the 20% darker color. If you saturate the color by 10%, you get **92.7709, 0.4019, 0.4821**, and if you desaturate by 10%, it is **94.0802, 0.3805, 0.4446**.

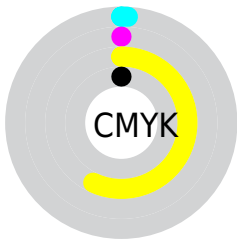
Distribution



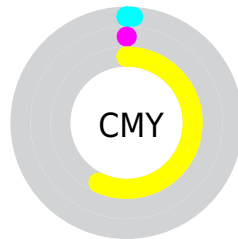
- Red (99%)
- Green (100%)
- Blue (43%)



- Red (43%)
- Yellow (100%)
- Blue (44%)



- Cyan (1%)
- Magenta (0%)
- Yellow (57%)
- Black (0%)





- Cyan (1%)
- Magenta (0%)
- Yellow (57%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.3412, 0.3923, 0.4651 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 93.3412, 0.3923, 0.4651 by changing the saturation by 10% instead.

 93.3412, 0.3923,
0.4651

 93.3412, 0.3923,
0.4651


538.8408, 0.3611,
0.4058


 70.7551, 0.3977,
0.4772


 151.9709, 0.3828,
0.4456

 52.1424, 0.4036,
0.4912


 188.7833, 0.3787,
0.4377

 37.1186, 0.4096,
0.5075


 231.1067, 0.3750,
0.4308

 25.2993, 0.4151,
0.5263

279.3253, 0.3717,
0.4246

 16.3002, 0.4188,
0.5475

333.8236, 0.3687,
0.4192

 9.7368, 0.4230,
0.5770

394.9861, 0.3659,

 5.2248, 0.4077,

0.4142

0.5923

463.1970, 0.3634,
0.4098

■ 2.3798, 0.3828,
0.6172

■ 0.8155, 0.2751,
0.7249

■ 93.3412, 0.3923,
0.4651

■ 93.3412, 0.3923,
0.4651

■ 92.7709, 0.4019,
0.4821

■ 94.0802, 0.3805,
0.4446

■ 92.3421, 0.4090,
0.4948


■ 94.9873, 0.3670,
0.4214


■ 92.0427, 0.4135,
0.5031

■ 96.0781, 0.3525,
0.3966

■ 91.8516, 0.4154,
0.5073

■ 97.3630, 0.3376,
0.3711

 91.8040, 0.4157,
0.5081

 98.8513, 0.3227,
0.3459

99.9962, 0.3127,
0.3290

Harmonies

Analogous

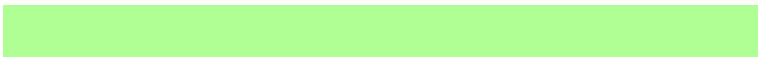
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.3412, 0.4472, 0.4243



93.3412, 0.3923, 0.4651



93.3412, 0.3199, 0.4658

Triad

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



93.3412, 0.3923, 0.4651



93.3412, 0.1799, 0.2594



93.3412, 0.3689, 0.2628

Complementary

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



93.3412, 0.3923, 0.4651



21.8797, 0.2035, 0.1463

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.



93.3412, 0.2897, 0.2273



93.3412, 0.3923, 0.4651



93.3412, 0.1891, 0.2214

Square

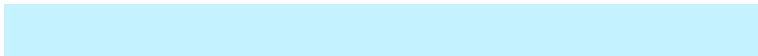
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.3412, 0.3923, 0.4651



93.3412, 0.1998, 0.3280



93.3412, 0.2262, 0.2122



93.3412, 0.4375, 0.3125

Rectangle

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



93.3412, 0.3923, 0.4651



93.3412, 0.2714, 0.4346



93.3412, 0.2262, 0.2122



93.3412, 0.3421, 0.2490

Sweetspot

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



93.3455, 0.3923, 0.4651



97.3489, 0.3378, 0.3715



34.0658, 0.4860, 0.3318



20.7781, 0.3408, 0.3766



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.



93.3455, 0.3923, 0.4651



92.7199, 0.4029, 0.4837



82.3552, 0.3430, 0.4920



21.0708, 0.3266, 0.3525



47.9807, 0.4158, 0.5081



4.6775, 0.4162, 0.5077

Inverse Universe

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



21.8797, 0.2035, 0.1463



15.1318, 0.1821, 0.1111



28.6757, 0.2564, 0.1686



17.3954, 0.2982, 0.3044



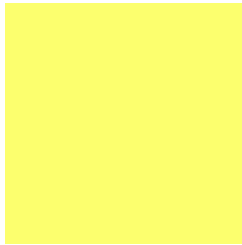
3.7977, 0.1506, 0.0603



0.3757, 0.1520, 0.0611

Previews

White Background



This preview shows how the Yxy color 93.3412, 0.3923, 0.4651 looks on a white background.

Color Contrast Check

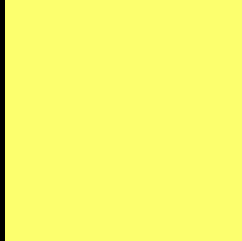
Large Text (above 18pt) WCAG AA × Fail

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 93.3412, 0.3923, 0.4651 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 93.3412, 0.3923, 0.4651

Background



This preview shows how black text looks on a background with the Yxy color 93.3412, 0.3923, 0.4651.



This preview shows how white text looks on a background with the Yxy color 93.3412, 0.3923, 0.4651.

Color Blindness Simulation

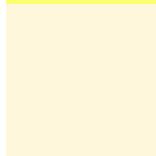
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



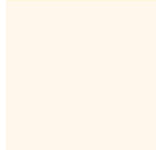
Original Color

93.3412, 0.3923, 0.4651



Protanopia

92.9488, 0.3344, 0.3556



Deuteranopia

93.2277, 0.3246, 0.3388



Tritanopia

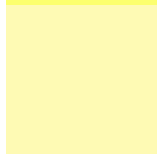
92.9896, 0.3150, 0.3213

Trichromacy



Original Color

93.3412, 0.3923, 0.4651



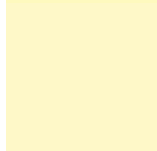
Protanomaly

92.7373, 0.3579, 0.3985



Deuteranomaly

92.5399, 0.3520, 0.3876



Tritanomaly

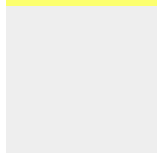
92.3758, 0.3460, 0.3767

Monochromacy



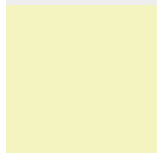
Original Color

93.3412, 0.3923, 0.4651



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

87.5176, 0.3448, 0.3834

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.3412, 0.3923, 0.4651 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(252, 255, 110)` looks like.

```
.text, #text, p{  
    color:rgb(252, 255, 110)  
}
```

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(252, 255, 110) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 255, 110) }
```

Border

The CSS property to change the border of an element to Yxy 93.3412, 0.3923, 0.4651 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(252, 255, 110) }
```

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

```
.border{ border-color:rgb(252, 255, 110) }
```

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

Here you see how a box with a 4 pixel `rgb(252, 255, 110)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 255, 110); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 255, 110);  
box-shadow:4px 4px 4px 4px rgb(252, 255,  
110) }
```


Background

The CSS property to change the background color of an element to Yxy 93.3412, 0.3923, 0.4651 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(252, 255, 110) }
```

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

```
.background{ background-color: rgb(252,  
255, 110) }
```

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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