

Converting Colors

$Y_{xy}(117.0467, 0.3782, 0.4903)$

Have a look what the booklet for
Yxy(117.0467, 0.3782, 0.4903)
contains.

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Color

Yxy(93.2561, 0.3940, 0.4680)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FCFF6A |
| RGB | 252, 255, 106 |
| RGB Percent | 99%, 100%, 42% |
| CMY | 0.0117, 0.0000, 0.5843 |
| CMYK | 0.01, 0.00, 0.58, 0.00 |
| HSL | 61°, 100%, 71% |
| HSV | 61°, 58%, 100% |
| XYZ | 78.5105, 93.2561, 27.4986 |
| YIQ | 237.1170, 46.0410, -46.9750 |

Conversions

Conversions Part 2

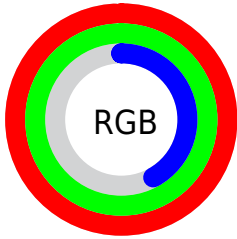
| Format | Color |
|-------------------------------------|---|
| RYB | 106, 255, 109 |
| Decimal | 16580458 |
| CIELab | 97.33, -19.36, 68.98 |
| CIELCh | 97, 71.645, 105.678 |
| Yxy | 93.2561, 0.3940, 0.4680 |
| Android (android.graphics.Color) | 4294770538 (0xFFFCFF6A) |
| YUV | 237.1170, -64.6407, 13.0524 |
| Hunter-Lab | 96.5692, -23.8761, 50.7153 |

Details

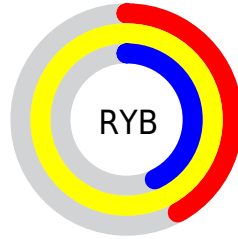
The Yxy color **93.2561, 0.3940, 0.4680** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **20.7802, 0.2003, 0.1410**, and the grayscale version is **85.2674, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3886, 0.3678, 0.4200**, and **51.8080, 0.4051, 0.4942** is the 20% darker color. If you saturate the color by 10%, you get **92.7095, 0.4033, 0.4843**, and if you desaturate by 10%, it is **93.9661, 0.3825, 0.4480**.

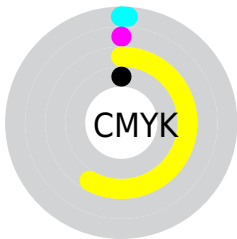
Distribution



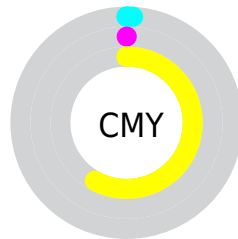
- Red (99%)
- Green (100%)
- Blue (42%)



- Red (42%)
- Yellow (100%)
- Blue (43%)



- Cyan (1%)
- Magenta (0%)
- Yellow (58%)
- Black (0%)





- Cyan (1%)
- Magenta (0%)
- Yellow (58%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.2561, 0.3940, 0.4680 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 93.2561, 0.3940, 0.4680 by changing the saturation by 10% instead.

 93.2561, 0.3940,
0.4680

 93.2561, 0.3940,
0.4680


538.5669, 0.3623,
0.4076


 70.6844, 0.3995,
0.4802


 151.8531, 0.3844,
0.4482

 52.0847, 0.4053,
0.4944


 188.6472, 0.3803,
0.4402

 37.0726, 0.4111,
0.5107


 230.9509, 0.3765,
0.4331

 25.2637, 0.4164,
0.5295

 279.1486, 0.3731,
0.4268

 16.2736, 0.4196,
0.5505

333.6246, 0.3700,
0.4212

 9.7180, 0.4220,
0.5780

394.7634, 0.3672,

 5.2124, 0.4063,

0.4162

0.5937

462.9494, 0.3647,
0.4117

■ 2.3724, 0.3811,
0.6189

■ 0.8116, 0.2691,
0.7309

■ 93.2561, 0.3940,
0.4680

■ 93.2561, 0.3940,
0.4680

■ 92.7095, 0.4033,
0.4843

■ 93.9661, 0.3825,
0.4480

■ 92.3037, 0.4100,
0.4964

■ 94.8440, 0.3692,
0.4252


■ 92.0242, 0.4140,
0.5040

■ 95.9039, 0.3549,
0.4005

■ 91.8472, 0.4156,
0.5077

■ 97.1562, 0.3399,
0.3751

 91.8236, 0.4158,
0.5081

 98.6106, 0.3250,
0.3498

100.0000, 0.3127,
0.3290

Harmonies

Analogous

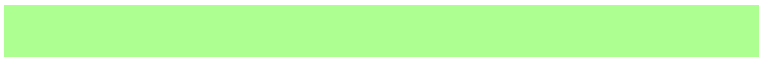
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.2561, 0.4502, 0.4256



93.2561, 0.3940, 0.4680



93.2561, 0.3200, 0.4696

Triad

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



93.2561, 0.3940, 0.4680



93.2561, 0.1772, 0.2579



93.2561, 0.3698, 0.2612

Complementary

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



93.2561, 0.3940, 0.4680



20.7802, 0.2003, 0.1410

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.



93.2561, 0.2887, 0.2252



93.2561, 0.3940, 0.4680



93.2561, 0.1865, 0.2192

Square

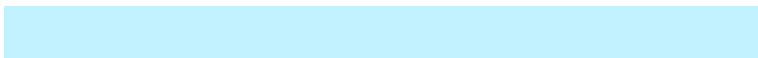
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.2561, 0.3940, 0.4680



93.2561, 0.1975, 0.3281



93.2561, 0.2241, 0.2099



93.2561, 0.4402, 0.3116

Rectangle

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



93.2561, 0.3940, 0.4680



93.2561, 0.2706, 0.4378



93.2561, 0.2241, 0.2099



93.2561, 0.3423, 0.2472

Sweetspot

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



93.2588, 0.3940, 0.4680



97.2144, 0.3393, 0.3740



33.1295, 0.4934, 0.3319



20.7250, 0.3437, 0.3815



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.



93.2588, 0.3940, 0.4680



92.6366, 0.4045, 0.4865



82.0281, 0.3433, 0.4964



21.0711, 0.3266, 0.3525



47.9883, 0.4158, 0.5080



4.6781, 0.4163, 0.5077

Inverse Universe

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



20.7802, 0.2003, 0.1410



14.1669, 0.1787, 0.1055



27.5951, 0.2543, 0.1642



17.3951, 0.2981, 0.3044



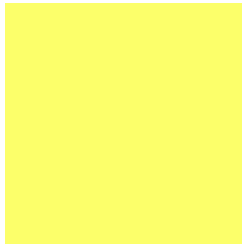
3.7973, 0.1506, 0.0603



0.3756, 0.1520, 0.0611

Previews

White Background



This preview shows how the Yxy color 93.2561, 0.3940, 0.4680 looks on a white background.

Color Contrast Check

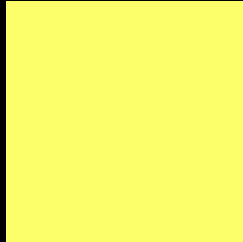
Large Text (above 18pt) WCAG AA × Fail

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 93.2561, 0.3940, 0.4680 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 93.2561, 0.3940, 0.4680

Background



This preview shows how black text looks on a background with the Yxy color 93.2561, 0.3940, 0.4680.



This preview shows how white text looks on a background with the Yxy color 93.2561, 0.3940, 0.4680.

Color Blindness Simulation

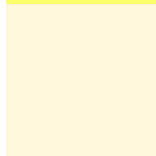
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



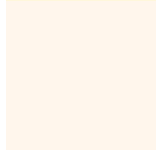
Original Color

93.2561, 0.3940, 0.4680



Protanopia

92.8960, 0.3350, 0.3566



Deuteranopia

93.2277, 0.3246, 0.3388



Tritanopia

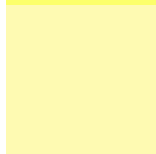
92.9264, 0.3156, 0.3223

Trichromacy



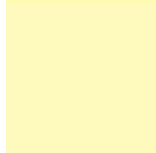
Original Color

93.2561, 0.3940, 0.4680



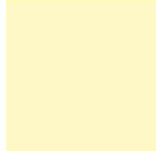
Protanomaly

92.6564, 0.3591, 0.4005



Deuteranomaly

92.4963, 0.3527, 0.3886



Tritanomaly

92.2829, 0.3473, 0.3787

Monochromacy



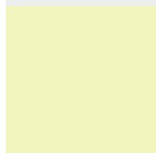
Original Color

93.2561, 0.3940, 0.4680



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

87.2527, 0.3454, 0.3856

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.2561, 0.3940, 0.4680 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, 106)` looks like.

```
.text, #text, p{  
    color:rgb(252, 255, 106)  
}
```

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, 106) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(252, 255, 106) }
```

Border

The CSS property to change the border of an element to Yxy 93.2561, 0.3940, 0.4680 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, 106) }
```

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

```
.border{ border-color:rgb(252, 255, 106) }
```

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, 106)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(252, 255, 106); -webkit-box-  
shadow:4px 4px 4px 4px rgb(252, 255, 106);  
box-shadow:4px 4px 4px 4px rgb(252, 255,  
106) }
```


Background

The CSS property to change the background color of an element to Yxy 93.2561, 0.3940, 0.4680 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, 106) }
```

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

```
.background{ background-color: rgb(252,  
255, 106) }
```

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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