

Converting Colors

$Y_{xy}(93.8300, 0.3959, 0.4665)$

Have a look what the booklet for
Yxy(93.8300, 0.3959, 0.4665)
contains.

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Color

Yxy(93.8206, 0.3961, 0.4668)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF6A
RGB	255, 255, 106
RGB Percent	100%, 100%, 42%
CMY	0.0000, 0.0000, 0.5842
CMYK	0.00, 0.00, 0.58, 0.00
HSL	60°, 100%, 71%
HSV	60°, 58%, 100%
XYZ	79.6108, 93.8206, 27.5553
YIQ	238.0140, 47.8290, -46.3390

Conversions

Conversions Part 2

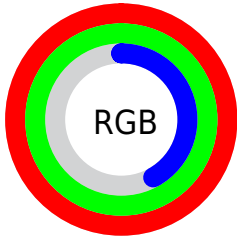
Format	Color
R _Y B	106, 255, 106
Decimal	16777066
CIE Lab	97.56, -18.16, 69.29
CIE LCh	98, 71.627, 104.689
Yxy	93.8206, 0.3961, 0.4668
Android (android.graphics.Color)	4294967146 (0xFFFFFFFF6A)
YUV	238.0140, -65.0829, 14.8967
Hunter-Lab	96.8610, -22.7963, 50.9358

Details

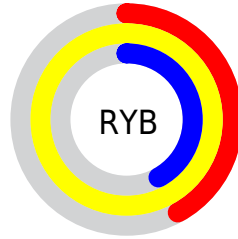
The Yxy color **93.8206, 0.3961, 0.4668** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **20.6003, 0.1986, 0.1403**, and the grayscale version is **85.9978, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3886, 0.3678, 0.4200**, and **52.2037, 0.4077, 0.4923** is the 20% darker color. If you saturate the color by 10%, you get **93.3647, 0.4057, 0.4827**, and if you desaturate by 10%, it is **94.4314, 0.3842, 0.4472**.

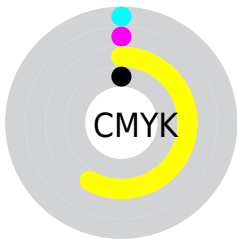
Distribution



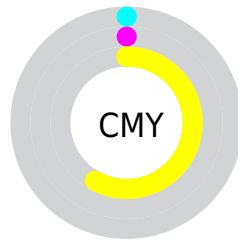
- Red (100%)
- Green (100%)
- Blue (42%)



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



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.8206, 0.3961, 0.4668 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 93.8206, 0.3961, 0.4668 by changing the saturation by 10% instead.

 93.8206, 0.3961,
0.4668

 93.8206, 0.3961,
0.4668


540.3823, 0.3635,
0.4072


 71.1538, 0.4017,
0.4788


 152.6342, 0.3862,
0.4474


 52.4677, 0.4078,
0.4926


 189.5498, 0.3819,
0.4394

 37.3780, 0.4139,
0.5086


 231.9837, 0.3781,
0.4324

 25.5003, 0.4196,
0.5269

 280.3203, 0.3746,
0.4262

 16.4502, 0.4233,
0.5471

334.9441, 0.3714,
0.4207

 9.8433, 0.4264,
0.5736

396.2395, 0.3686,

 5.2952, 0.4119,

0.4157

0.5881

464.5907, 0.3659,
0.4113

■ 2.4215, 0.3886,
0.6114

■ 0.8369, 0.2961,
0.7039

■ 93.8206, 0.3961,
0.4668

■ 93.8206, 0.3961,
0.4668

■ 93.3647, 0.4057,
0.4827

■ 94.4314, 0.3842,
0.4472

■ 93.0535, 0.4127,
0.4944

■ 95.2140, 0.3706,
0.4247


■ 92.8684, 0.4171,
0.5016

■ 96.1783, 0.3558,
0.4003

■ 92.7856, 0.4191,
0.5049

■ 97.3348, 0.3406,
0.3750

 92.7767, 0.4193,
0.5053

 98.6931, 0.3253,
0.3498

100.0000, 0.3127,
0.3290

Harmonies

Analogous

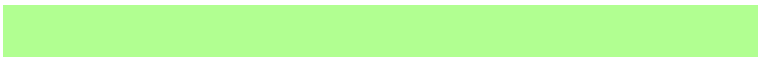
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.8206, 0.4512, 0.4237



93.8206, 0.3961, 0.4668



93.8206, 0.3226, 0.4701

Triad

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



93.8206, 0.3961, 0.4668



93.8206, 0.1777, 0.2599



93.8206, 0.3670, 0.2599

Complementary

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



93.8206, 0.3961, 0.4668



20.6003, 0.1986, 0.1403

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.



93.8206, 0.2863, 0.2245



93.8206, 0.3961, 0.4668



93.8206, 0.1860, 0.2202

Square

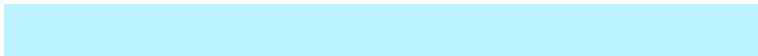
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.8206, 0.3961, 0.4668



93.8206, 0.1990, 0.3309



93.8206, 0.2226, 0.2100



93.8206, 0.4382, 0.3099

Rectangle

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



93.8206, 0.3961, 0.4668



93.8206, 0.2730, 0.4396



93.8206, 0.2226, 0.2100



93.8206, 0.3395, 0.2461

Sweetspot

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



93.8192, 0.3961, 0.4668



97.3878, 0.3399, 0.3740



32.6674, 0.4921, 0.3272



20.7681, 0.3444, 0.3813



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.



93.8192, 0.3961, 0.4668



93.3065, 0.4070, 0.4849



82.6281, 0.3465, 0.4946



21.0907, 0.3269, 0.3525



48.4778, 0.4193, 0.5053



4.7201, 0.4193, 0.5053

Inverse Universe

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



20.6003, 0.1986, 0.1403



14.0156, 0.1771, 0.1048



27.0024, 0.2501, 0.1625



17.3779, 0.2978, 0.3044



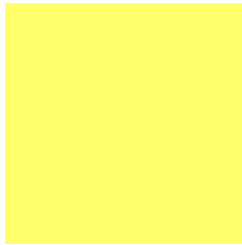
3.7727, 0.1500, 0.0600



0.3674, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 93.8206, 0.3961, 0.4668 looks on a white background.

Color Contrast Check

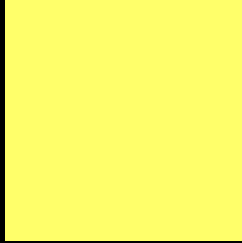
Large Text (above 18pt) WCAG AA × Fail

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 93.8206, 0.3961, 0.4668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

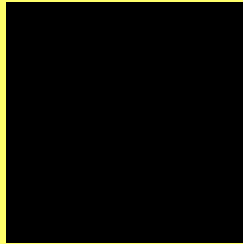
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 93.8206, 0.3961, 0.4668

Background



This preview shows how black text looks on a background with the Yxy color 93.8206, 0.3961, 0.4668.



This preview shows how white text looks on a background with the Yxy color 93.8206, 0.3961, 0.4668.

Color Blindness Simulation

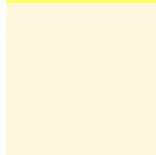
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



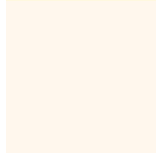
Original Color

93.8206, 0.3961, 0.4668



Protanopia

93.7225, 0.3324, 0.3535



Deuteranopia

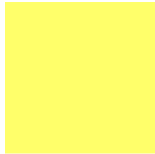
93.8960, 0.3239, 0.3387



Tritanopia

93.5299, 0.3156, 0.3232

Trichromacy



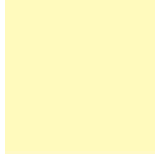
Original Color

93.8206, 0.3961, 0.4668



Protanomaly

93.5496, 0.3584, 0.3992



Deuteranomaly

93.3053, 0.3531, 0.3894



Tritanomaly

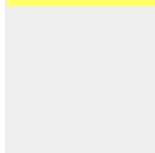
93.0886, 0.3478, 0.3795

Monochromacy



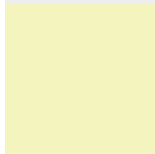
Original Color

93.8206, 0.3961, 0.4668



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

87.6522, 0.3462, 0.3843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.8206, 0.3961, 0.4668 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, 255, 106)` looks like.

```
.text, #text, p{  
    color:rgb(255, 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(255, 255, 106) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 93.8206, 0.3961, 0.4668 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, 255, 106) }
```

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

```
.border{ border-color:rgb(255, 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(255, 255, 106) colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 93.8206, 0.3961, 0.4668 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 255, 106) }
```

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

```
.background{ background-color: rgb(255,  
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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