

Converting Colors

$Y_{xy}(93.7057, 0.3985, 0.4707)$

Have a look what the booklet for
Yxy(93.7057, 0.3985, 0.4707)
contains.

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Color

Yxy(93.7001, 0.3986, 0.4709)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF64
RGB	255, 255, 100
RGB Percent	100%, 100%, 39%
CMY	0.0000, 0.0000, 0.6078
CMYK	0.00, 0.00, 0.61, 0.00
HSL	60°, 100%, 70%
HSV	60°, 61%, 100%
XYZ	79.3138, 93.7001, 25.9670
YIQ	237.3300, 49.7550, -48.2050

Conversions

Conversions Part 2

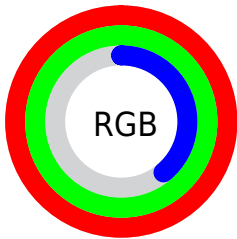
Format	Color
R _Y B	100, 255, 100
Decimal	16777060
CIE Lab	97.51, -18.54, 71.68
CIE LCh	98, 74.040, 104.501
Yxy	93.7001, 0.3986, 0.4709
Android (android.graphics.Color)	4294967140 (0xFFFFFFFF64)
YUV	237.3300, -67.7037, 15.4966
Hunter-Lab	96.7988, -23.1409, 51.8542

Details

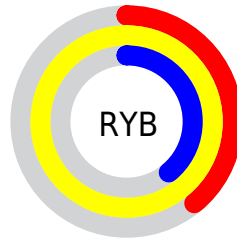
The Yxy color **93.7001, 0.3986, 0.4709** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **19.0510, 0.1939, 0.1325**, and the grayscale version is **85.4570, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.2143, 0.3706, 0.4247**, and **52.5954, 0.4097, 0.4977** is the 20% darker color. If you saturate the color by 10%, you get **93.2758, 0.4076, 0.4859**, and if you desaturate by 10%, it is **94.2700, 0.3872, 0.4521**.

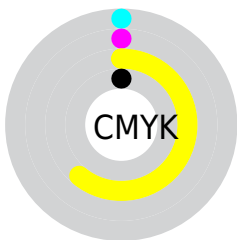
Distribution



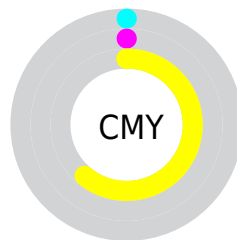
- Red (100%)
- Green (100%)
- Blue (39%)



- Red (39%)
- Yellow (100%)
- Blue (39%)



- Cyan (0%)
- Magenta (0%)
- Yellow (61%)
- Black (0%)





- Cyan (0%)
- Magenta (0%)
- Yellow (61%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.7001, 0.3986, 0.4709 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 93.7001, 0.3986, 0.4709 by changing the saturation by 10% instead.


 93.7001, 0.3986,
0.4709

 93.7001, 0.3986,
0.4709


539.9951, 0.3654,
0.4098


 71.0535, 0.4043,
0.4831


 152.4675, 0.3886,
0.4510


 52.3859, 0.4102,
0.4971


 189.3572, 0.3843,
0.4429

 37.3128, 0.4161,
0.5131


 231.7633, 0.3803,
0.4357

 25.4497, 0.4214,
0.5312

 280.0703, 0.3767,
0.4294

 16.4124, 0.4246,
0.5513

334.6626, 0.3735,
0.4237

 9.8165, 0.4250,
0.5750

395.9246, 0.3705,

 5.2774, 0.4102,

0.4186

0.5898

464.2406, 0.3678,
0.4140

■ 2.4110, 0.3863,
0.6137

■ 0.8315, 0.2888,
0.7112

■ 93.7001, 0.3986,
0.4709

■ 93.7001, 0.3986,
0.4709

■ 93.2758, 0.4076,
0.4859

■ 94.2700, 0.3872,
0.4521

■ 92.9954, 0.4140,
0.4965


■ 95.0118, 0.3739,
0.4302

■ 92.8367, 0.4178,
0.5027

■ 95.9329, 0.3594,
0.4061

■ 92.7719, 0.4193,
0.5052

■ 97.0437, 0.3442,
0.3810

 98.3541, 0.3288,
0.3557

99.8733, 0.3139,
0.3309

100.0000, 0.3127,
0.3290

Harmonies

Analogous

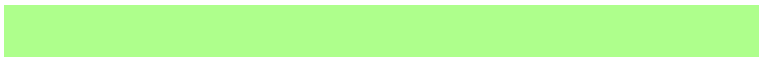
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.7001, 0.4556, 0.4256



93.7001, 0.3986, 0.4709



93.7001, 0.3229, 0.4755

Triad

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



93.7001, 0.3986, 0.4709



93.7001, 0.1739, 0.2577



93.7001, 0.3682, 0.2575

Complementary

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



93.7001, 0.3986, 0.4709



19.0510, 0.1939, 0.1325

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.



93.7001, 0.2848, 0.2215



93.7001, 0.3986, 0.4709



93.7001, 0.1823, 0.2171

Square

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



93.7001, 0.3986, 0.4709



93.7001, 0.1957, 0.3312



93.7001, 0.2196, 0.2066



93.7001, 0.4421, 0.3086

Rectangle

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



93.7001, 0.3986, 0.4709



93.7001, 0.2718, 0.4443



93.7001, 0.2196, 0.2066



93.7001, 0.3397, 0.2434

Sweetspot

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



93.6957, 0.3986, 0.4709



97.3870, 0.3399, 0.3740



31.3502, 0.5033, 0.3272



20.7679, 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.



93.6957, 0.3986, 0.4709



93.2019, 0.4093, 0.4886



82.1552, 0.3470, 0.5010



21.0906, 0.3269, 0.3525



48.4754, 0.4193, 0.5052



4.7199, 0.4193, 0.5052

Inverse Universe

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



19.0510, 0.1939, 0.1325



12.7187, 0.1724, 0.0969



25.4446, 0.2469, 0.1560



17.3780, 0.2978, 0.3044



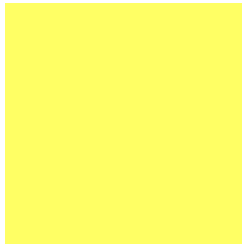
3.7728, 0.1500, 0.0600



0.3674, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 93.7001, 0.3986, 0.4709 looks on a white background.

Color Contrast Check

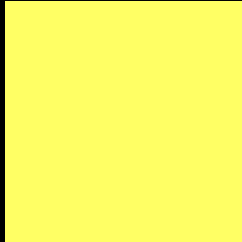
Large Text (above 18pt) WCAG AA × Fail

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 93.7001, 0.3986, 0.4709 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

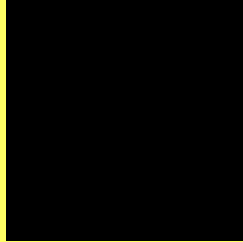
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 93.7001, 0.3986, 0.4709

Background



This preview shows how black text looks on a background with the Yxy color 93.7001, 0.3986, 0.4709.



This preview shows how white text looks on a background with the Yxy color 93.7001, 0.3986, 0.4709.

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



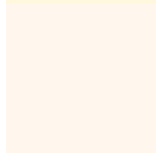
Original Color

93.7001, 0.3986, 0.4709



Protanopia

93.6687, 0.3330, 0.3545



Deuteranopia

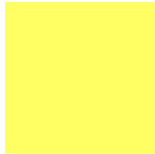
93.2860, 0.3240, 0.3378



Tritanopia

93.5299, 0.3156, 0.3232

Trichromacy



Original Color

93.7001, 0.3986, 0.4709



Protanomaly

93.4687, 0.3596, 0.4012



Deuteranomaly

92.5992, 0.3546, 0.3905



Tritanomaly

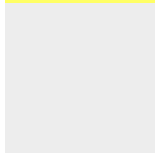
92.9969, 0.3490, 0.3815

Monochromacy



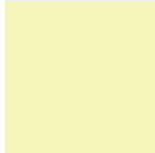
Original Color

93.7001, 0.3986, 0.4709



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

87.5223, 0.3480, 0.3874

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.7001, 0.3986, 0.4709 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, 100)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 100)  
}
```

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, 100) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 100) }
```

Border

The CSS property to change the border of an element to Yxy 93.7001, 0.3986, 0.4709 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, 100) }
```

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

```
.border{ border-color:rgb(255, 255, 100) }
```

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, 100)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 100); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 100);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
100) }
```


Background

The CSS property to change the background color of an element to Yxy 93.7001, 0.3986, 0.4709 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, 100) }
```

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

```
.background{ background-color: rgb(255,  
255, 100) }
```

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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