

Converting Colors

$Y_{xy}(100.0000, 0.3657, 0.4479)$

Have a look what the booklet for
Yxy(100.0000, 0.3657, 0.4479)
contains.

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Color

Yxy(92.7974, 0.3695, 0.4386)

Conversions

Conversions Part 1

Format	Color
Hex	F4FF91
RGB	244, 255, 145
RGB Percent	96%, 100%, 57%
CMY	0.0432, 0.0000, 0.4311
CMYK	0.04, 0.00, 0.43, 0.00
HSL	66°, 100%, 78%
HSV	66°, 43%, 100%
XYZ	78.1775, 92.7974, 40.6015
YIQ	239.1710, 28.7540, -36.5420

Conversions

Conversions Part 2

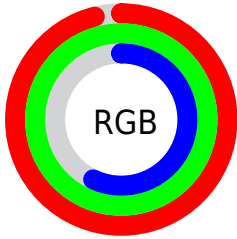
Format	Color
R_{YB}	145, 255, 156
Decimal	16056209
CIE Lab	97.15, -19.22, 51.12
CIE LCh	97, 54.618, 110.606
Yxy	92.7974, 0.3695, 0.4386
Android (android.graphics.Color)	4294246289 (0xFFFF4FF91)
YUV	239.1710, -46.4263, 4.2350
Hunter-Lab	96.3314, -23.7188, 42.4426

Details

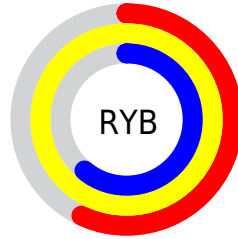
The Yxy color **92.7974, 0.3695, 0.4386** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **34.5641, 0.2387, 0.1969**, and the grayscale version is **86.8082, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.9501, 0.3454, 0.3830**, and **51.6000, 0.3789, 0.4614** is the 20% darker color. If you saturate the color by 10%, you get **91.6410, 0.3805, 0.4616**, and if you desaturate by 10%, it is **94.1334, 0.3571, 0.4136**.

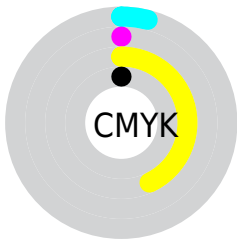
Distribution



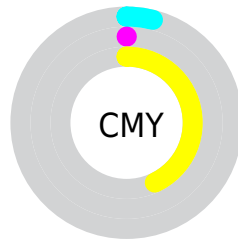
- Red (96%)
- Green (100%)
- Blue (57%)



- Red (57%)
- Yellow (100%)
- Blue (61%)



- Cyan (4%)
- Magenta (0%)
- Yellow (43%)
- Black (0%)



- Cyan (4%)
- Magenta (0%)
- Yellow (43%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.7974, 0.3695, 0.4386 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 92.7974, 0.3695, 0.4386 by changing the saturation by 10% instead.

 92.7974, 0.3695,
0.4386


 92.7974, 0.3695,
0.4386

537.0893, 0.3463,
0.3895

 70.3031, 0.3739,
0.4492


 151.2181, 0.3622,
0.4220

 51.7737, 0.3789,
0.4618


 187.9133, 0.3591,
0.4154

 36.8247, 0.3844,
0.4772


230.1109, 0.3564,
0.4097

 25.0718, 0.3904,
0.4961

278.1954, 0.3539,
0.4047

 16.1306, 0.3963,
0.5194

332.5510, 0.3517,
0.4002

 9.6166, 0.4005,
0.5481


393.5623, 0.3498,


 5.1455, 0.4066,


0.3962


0.5934


461.6136, 0.3480,
0.3927


 2.3329, 0.3812,
0.6188


 0.7910, 0.2632,
0.7368

 92.7974, 0.3695,
0.4386


 92.7974, 0.3695,
0.4386


 91.6410, 0.3805,
0.4616

 94.1334, 0.3571,
0.4136

 90.6571, 0.3896,
0.4816

 95.6649, 0.3438,
0.3877

 89.8307, 0.3963,
0.4977

 97.4001, 0.3302,
0.3618

 89.1462, 0.4003,
0.5094

 99.3483, 0.3168,
0.3366

■ 88.5847, 0.4017,
0.5166

100.0000, 0.3127,
0.3290

■ 88.2508, 0.4015,
0.5194

Harmonies

Analogous

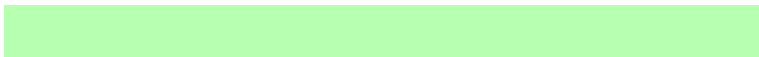
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.7974, 0.4153, 0.4138



92.7974, 0.3695, 0.4386



92.7974, 0.3109, 0.4292

Triad

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



92.7974, 0.3695, 0.4386



92.7974, 0.2047, 0.2687



92.7974, 0.3670, 0.2820

Complementary

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



92.7974, 0.3695, 0.4386



34.5641, 0.2387, 0.1969

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.



92.7974, 0.3050, 0.2501



92.7974, 0.3695, 0.4386



92.7974, 0.2160, 0.2402

Square

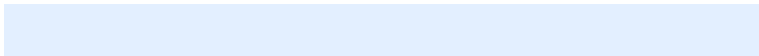
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.7974, 0.3695, 0.4386



92.7974, 0.2182, 0.3200



92.7974, 0.2508, 0.2350



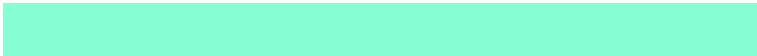
92.7974, 0.4162, 0.3247

Rectangle

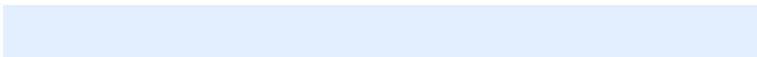
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92.7974, 0.3695, 0.4386



92.7974, 0.2728, 0.4012



92.7974, 0.2508, 0.2350



92.7974, 0.3466, 0.2698

Sweetspot

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



92.7958, 0.3695, 0.4386



97.4212, 0.3301, 0.3615



47.1005, 0.4216, 0.3408



20.7662, 0.3331, 0.3672



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

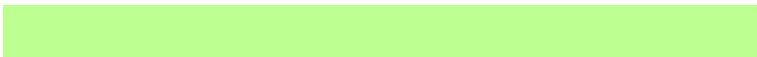
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.7958, 0.3695, 0.4386



91.7610, 0.3794, 0.4592



84.3894, 0.3325, 0.4535



20.9928, 0.3254, 0.3526



46.1506, 0.4018, 0.5192



4.5191, 0.4039, 0.5175

Inverse Universe

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



34.5641, 0.2387, 0.1969



26.4458, 0.2205, 0.1658



41.3408, 0.2808, 0.2108



17.4648, 0.2994, 0.3045



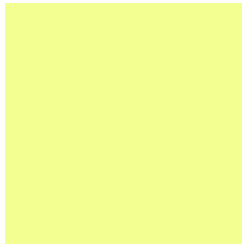
3.9128, 0.1533, 0.0618



0.4086, 0.1598, 0.0654

Previews

White Background



This preview shows how the Yxy color 92.7974, 0.3695, 0.4386 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 92.7974, 0.3695, 0.4386 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

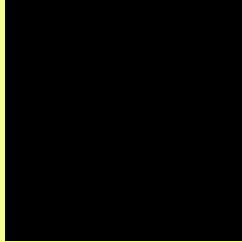
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 92.7974, 0.3695, 0.4386

Background



This preview shows how black text looks on a background with the Yxy color 92.7974, 0.3695, 0.4386.

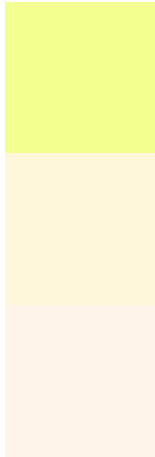


This preview shows how white text looks on a background with the Yxy color 92.7974, 0.3695, 0.4386.

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

92.7974, 0.3695, 0.4386

Protanopia

92.8435, 0.3357, 0.3576

Deuteranopia

92.5630, 0.3253, 0.3388



Tritanopia

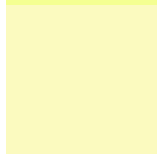
92.8040, 0.3119, 0.3184

Trichromacy



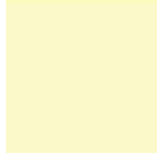
Original Color

92.7974, 0.3695, 0.4386



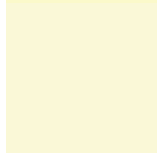
Protanomaly

92.6420, 0.3491, 0.3880



Deuteranomaly

92.5249, 0.3426, 0.3759



Tritanomaly

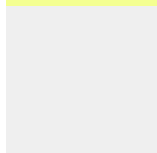
92.3651, 0.3340, 0.3619

Monochromacy



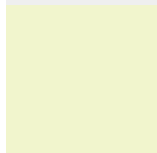
Original Color

92.7974, 0.3695, 0.4386



Achromatopsia

86.3157, 0.3127, 0.3290



Achromatomaly

88.4134, 0.3345, 0.3700

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.7974, 0.3695, 0.4386 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(244, 255, 145)` looks like.

```
.text, #text, p{  
    color:rgb(244, 255, 145)  
}
```

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(244, 255, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(244, 255, 145) }
```

Border

The CSS property to change the border of an element to Yxy 92.7974, 0.3695, 0.4386 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(244, 255, 145) }
```

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

```
.border{ border-color:rgb(244, 255, 145) }
```

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

Here you see how a box with a 4 pixel rgb(244, 255, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(244, 255, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(244, 255, 145);  
box-shadow:4px 4px 4px 4px rgb(244, 255,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 92.7974, 0.3695, 0.4386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(244, 255, 145) }
```

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

```
.background{ background-color: rgb(244,  
255, 145) }
```

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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