

Converting Colors

$Y_{xy}(100.0000, 0.3947, 0.4641)$

Have a look what the booklet for
Yxy(100.0000, 0.3947, 0.4641)
contains.

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Color

Yxy(93.9723, 0.3930, 0.4618)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-----------------------------|
| Hex | FFFF71 |
| RGB | 255, 255, 113 |
| RGB Percent | 100%, 100%, 44% |
| CMY | 0.0001, 0.0000, 0.5568 |
| CMYK | 0.00, 0.00, 0.56, 0.00 |
| HSL | 60°, 100%, 72% |
| HSV | 60°, 56%, 100% |
| XYZ | 79.9721, 93.9723, 29.5469 |
| YIQ | 238.8120, 45.5820, -44.1620 |

Conversions

Conversions Part 2

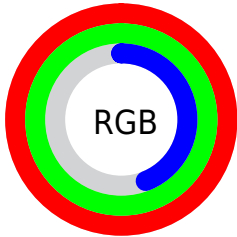
| Format | Color |
|-------------------------------------|--------------------------------|
| R _Y B | 113, 255, 113 |
| Decimal | 16777073 |
| CIE Lab | 97.62, -17.71, 66.41 |
| CIE LCh | 98, 68.736, 104.935 |
| Yxy | 93.9723, 0.3930, 0.4618 |
| Android (android.graphics.Color) | 4294967153 (0xFFFFFFFF71) |
| YUV | 238.8120, -62.0253, 14.1969 |
| Hunter-Lab | 96.9393, -22.3865, 49.7860 |

Details

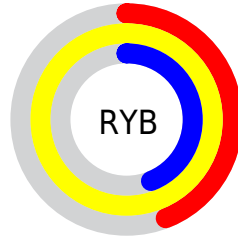
The Yxy color **93.9723, 0.3930, 0.4618** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **22.5450, 0.2042, 0.1496**, and the grayscale version is **86.6198, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6446, 0.3638, 0.4134**, and **52.4193, 0.4053, 0.4863** is the 20% darker color. If you saturate the color by 10%, you get **93.4692, 0.4033, 0.4788**, and if you desaturate by 10%, it is **94.6247, 0.3806, 0.4413**.

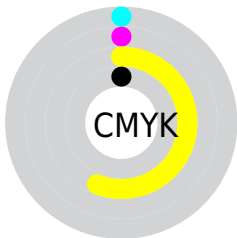
Distribution



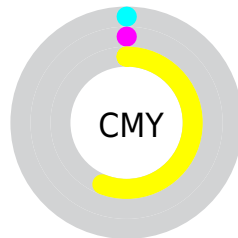
- Red (100%)
- Green (100%)
- Blue (44%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (56%)
- Black (0%)



- Cyan (0%)
- Magenta (0%)
- Yellow (56%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.9723, 0.3930, 0.4618 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 93.9723, 0.3930, 0.4618 by changing the saturation by 10% instead.


 93.9723, 0.3930,
0.4618


 93.9723, 0.3930,
0.4618

540.8697, 0.3613,
0.4041


 71.2799, 0.3986,
0.4735


 152.8440, 0.3833,
0.4429

 52.5707, 0.4047,
0.4872

 189.7922, 0.3791,
0.4352

 37.4601, 0.4110,
0.5030


 232.2610, 0.3754,
0.4284

 25.5640, 0.4171,
0.5214

280.6350, 0.3720,
0.4224

 16.4977, 0.4217,
0.5421

335.2984, 0.3689,
0.4171

 9.8770, 0.4280,
0.5720


396.6357, 0.3662,


 5.3175, 0.4139,

0.4123


0.5861


465.0314, 0.3636,
0.4080

 2.4347, 0.3913,
0.6087


 0.8437, 0.3045,
0.6955


 93.9723, 0.3930,
0.4618


 93.9723, 0.3930,
0.4618


 93.4692, 0.4033,
0.4788

 94.6247, 0.3806,
0.4413


 93.1196, 0.4110,
0.4917


 95.4566, 0.3666,
0.4181


 92.9011, 0.4161,
0.5001

 96.4733, 0.3517,
0.3934

 92.7937, 0.4187,
0.5043

 97.6849, 0.3363,
0.3681

 92.7690, 0.4193,
0.5053

 99.1008, 0.3211,
0.3429

100.0000, 0.3127,
0.3290

Harmonies

Analogous

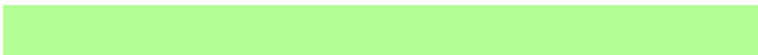
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.9723, 0.4460, 0.4214



93.9723, 0.3930, 0.4618



93.9723, 0.3221, 0.4636

Triad

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



93.9723, 0.3930, 0.4618



93.9723, 0.1823, 0.2625



93.9723, 0.3656, 0.2627

Complementary

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



93.9723, 0.3930, 0.4618



22.5450, 0.2042, 0.1496

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.



93.9723, 0.2881, 0.2283



93.9723, 0.3930, 0.4618



93.9723, 0.1905, 0.2241

Square

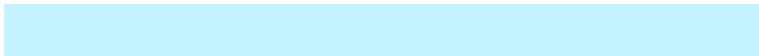
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.9723, 0.3930, 0.4618



93.9723, 0.2029, 0.3305



93.9723, 0.2263, 0.2141



93.9723, 0.4335, 0.3114

Rectangle

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



93.9723, 0.3930, 0.4618



93.9723, 0.2744, 0.4340



93.9723, 0.2263, 0.2141



93.9723, 0.3393, 0.2493

Sweetspot

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



93.9663, 0.3930, 0.4618



97.5140, 0.3384, 0.3714



34.2641, 0.4820, 0.3295



20.8176, 0.3414, 0.3765



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.



93.9663, 0.3930, 0.4618



93.4151, 0.4045, 0.4807



82.9031, 0.3443, 0.4878



21.0906, 0.3269, 0.3525



48.4739, 0.4193, 0.5053



4.7198, 0.4193, 0.5053

Inverse Universe

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



22.5450, 0.2042, 0.1496



15.4775, 0.1822, 0.1133



29.2224, 0.2559, 0.1710



17.3780, 0.2978, 0.3044



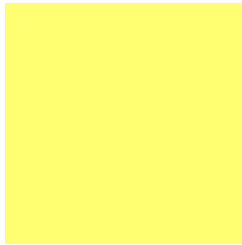
3.7729, 0.1500, 0.0600



0.3674, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 93.9723, 0.3930, 0.4618 looks on a white background.

Color Contrast Check

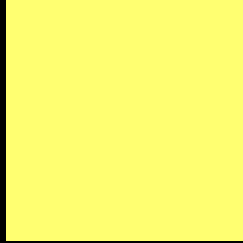
Large Text (above 18pt) WCAG AA × Fail

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 93.9723, 0.3930, 0.4618 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

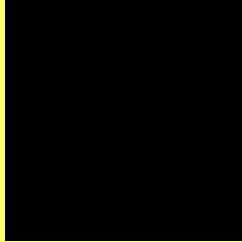
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 93.9723, 0.3930, 0.4618

Background



This preview shows how black text looks on a background with the Yxy color 93.9723, 0.3930, 0.4618.



This preview shows how white text looks on a background with the Yxy color 93.9723, 0.3930, 0.4618.

Color Blindness Simulation

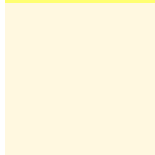
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



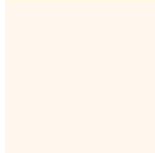
Original Color

93.9723, 0.3930, 0.4618



Protanopia

93.7766, 0.3318, 0.3525



Deuteranopia

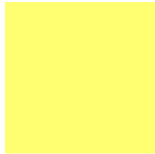
93.9546, 0.3233, 0.3378



Tritanopia

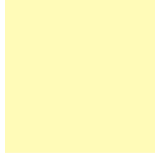
93.5299, 0.3156, 0.3232

Trichromacy



Original Color

93.9723, 0.3930, 0.4618



Protanomaly

93.7151, 0.3559, 0.3953



Deuteranomaly

93.4815, 0.3507, 0.3854



Tritanomaly

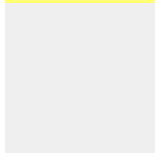
93.2284, 0.3459, 0.3765

Monochromacy



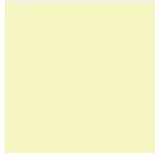
Original Color

93.9723, 0.3930, 0.4618



Achromatopsia

86.3157, 0.3127, 0.3290



Achromatomaly

88.5675, 0.3448, 0.3820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.9723, 0.3930, 0.4618 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, 113)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 113)  
}
```

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, 113) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 113) }
```

Border

The CSS property to change the border of an element to Yxy 93.9723, 0.3930, 0.4618 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, 113) }
```

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

```
.border{ border-color:rgb(255, 255, 113) }
```

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, 113)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 113); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 113);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
113) }
```


Background

The CSS property to change the background color of an element to Yxy 93.9723, 0.3930, 0.4618 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, 113) }
```

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

```
.background{ background-color: rgb(255,  
255, 113) }
```

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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