

Converting Colors

$Y_{xy}(100.0000, 0.4083, 0.4567)$

Have a look what the booklet for
Yxy(100.0000, 0.4083, 0.4567)
contains.

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Color

Yxy(93.9277, 0.3939, 0.4633)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF6F
RGB	255, 255, 111
RGB Percent	100%, 100%, 44%
CMY	0.0001, 0.0000, 0.5648
CMYK	0.00, 0.00, 0.56, 0.00
HSL	60°, 100%, 72%
HSV	60°, 56%, 100%
XYZ	79.8578, 93.9277, 28.9507
YIQ	238.5840, 46.2240, -44.7840

Conversions

Conversions Part 2

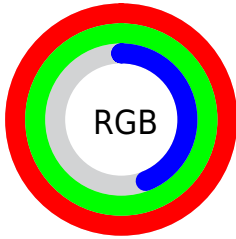
Format	Color
R _Y B	111, 255, 111
Decimal	16777071
CIE Lab	97.60, -17.86, 67.26
CIE LCh	98, 69.592, 104.872
Yxy	93.9277, 0.3939, 0.4633
Android (android.graphics.Color)	4294967151 (0xFFFFFFFF6F)
YUV	238.5840, -62.8989, 14.3968
Hunter-Lab	96.9163, -22.5218, 50.1304

Details

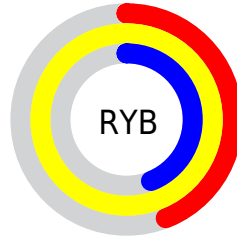
The Yxy color **93.9277, 0.3939, 0.4633** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **21.9631, 0.2026, 0.1469**, and the grayscale version is **86.4351, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5700, 0.3649, 0.4153**, and **52.2566, 0.4056, 0.4888** is the 20% darker color. If you saturate the color by 10%, you get **93.4351, 0.4040, 0.4800**, and if you desaturate by 10%, it is **94.5652, 0.3816, 0.4430**.

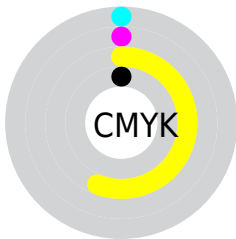
Distribution



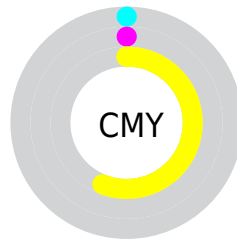
- Red (100%)
- Green (100%)
- Blue (44%)



- 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 93.9277, 0.3939, 0.4633 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 93.9277, 0.3939, 0.4633 by changing the saturation by 10% instead.

 93.9277, 0.3939,
0.4633


 93.9277, 0.3939,
0.4633


540.7264, 0.3620,
0.4051


 71.2428, 0.3995,
0.4751


 152.7823, 0.3841,
0.4442

 52.5404, 0.4056,
0.4888


 189.7209, 0.3799,
0.4364

 37.4360, 0.4119,
0.5047


 232.1795, 0.3762,
0.4296

 25.5452, 0.4178,
0.5231

280.5425, 0.3728,
0.4236

 16.4837, 0.4221,
0.5436

335.1943, 0.3697,
0.4182

 9.8671, 0.4275,
0.5725

396.5192, 0.3669,

 5.3109, 0.4133,

0.4133

0.5867

464.9018, 0.3643,
0.4090

■ 2.4308, 0.3904,
0.6096

■ 0.8417, 0.3019,
0.6981

■ 93.9277, 0.3939,
0.4633

■ 93.9277, 0.3939,
0.4633

■ 93.4351, 0.4040,
0.4800

■ 94.5652, 0.3816,
0.4430

■ 93.0964, 0.4115,
0.4925


■ 95.3831, 0.3678,
0.4201


■ 92.8874, 0.4164,
0.5006

■ 96.3848, 0.3529,
0.3954

■ 92.7876, 0.4188,
0.5045

■ 97.5806, 0.3376,
0.3701

 92.7675, 0.4193,
0.5053

 98.9801, 0.3223,
0.3449

100.0000, 0.3127,
0.3290

Harmonies

Analogous

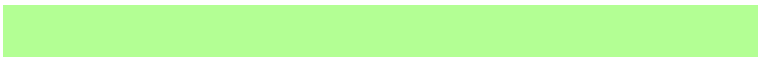
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



93.9277, 0.4475, 0.4221



93.9277, 0.3939, 0.4633



93.9277, 0.3222, 0.4655

Triad

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



93.9277, 0.3939, 0.4633



93.9277, 0.1809, 0.2617



93.9277, 0.3661, 0.2619

Complementary

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



93.9277, 0.3939, 0.4633



21.9631, 0.2026, 0.1469

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.



93.9277, 0.2876, 0.2272



93.9277, 0.3939, 0.4633



93.9277, 0.1892, 0.2229

Square

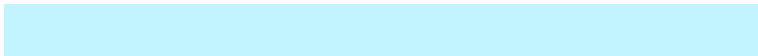
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



93.9277, 0.3939, 0.4633



93.9277, 0.2017, 0.3306



93.9277, 0.2253, 0.2128



93.9277, 0.4349, 0.3110

Rectangle

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



93.9277, 0.3939, 0.4633



93.9277, 0.2739, 0.4357



93.9277, 0.2253, 0.2128



93.9277, 0.3394, 0.2484

Sweetspot

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



93.9200, 0.3939, 0.4633



97.5137, 0.3384, 0.3714



33.7700, 0.4858, 0.3295



20.8175, 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.



93.9200, 0.3939, 0.4633



93.3746, 0.4053, 0.4822



82.7327, 0.3445, 0.4901



21.0905, 0.3269, 0.3525



48.4731, 0.4193, 0.5053



4.7197, 0.4193, 0.5053

Inverse Universe

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



21.9631, 0.2026, 0.1469



14.9724, 0.1805, 0.1104



28.6485, 0.2548, 0.1688



17.3780, 0.2978, 0.3044



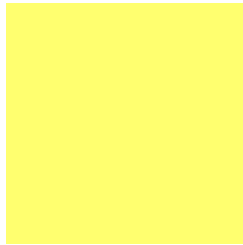
3.7729, 0.1500, 0.0600



0.3674, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 93.9277, 0.3939, 0.4633 looks on a white background.

Color Contrast Check

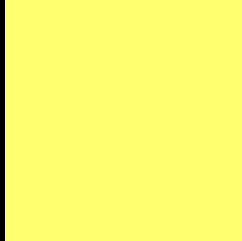
Large Text (above 18pt) WCAG AA × Fail

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 93.9277, 0.3939, 0.4633 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

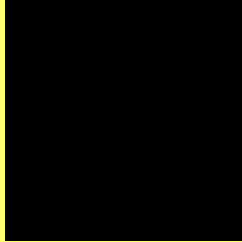
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 93.9277, 0.3939, 0.4633

Background



This preview shows how black text looks on a background with the Yxy color 93.9277, 0.3939, 0.4633.

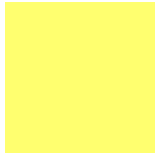


This preview shows how white text looks on a background with the Yxy color 93.9277, 0.3939, 0.4633.

Color Blindness Simulation

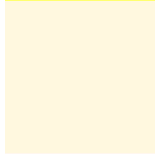
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



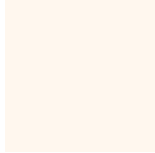
Original Color

93.9277, 0.3939, 0.4633



Protanopia

93.7225, 0.3324, 0.3535



Deuteranopia

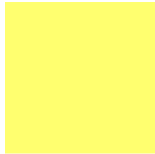
93.9546, 0.3233, 0.3378



Tritanopia

93.5299, 0.3156, 0.3232

Trichromacy



Original Color

93.9277, 0.3939, 0.4633



Protanomaly

93.6318, 0.3571, 0.3972



Deuteranomaly

93.4370, 0.3513, 0.3864



Tritanomaly

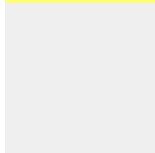
93.1815, 0.3465, 0.3775

Monochromacy



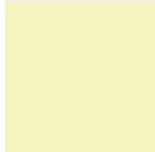
Original Color

93.9277, 0.3939, 0.4633



Achromatopsia

86.3157, 0.3127, 0.3290



Achromatomaly

88.5231, 0.3454, 0.3831

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.9277, 0.3939, 0.4633 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, 111)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 111)  
}
```

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, 111) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 111) }
```

Border

The CSS property to change the border of an element to Yxy 93.9277, 0.3939, 0.4633 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, 111) }
```

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

```
.border{ border-color:rgb(255, 255, 111) }
```

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, 111)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 111); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 111);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
111) }
```


Background

The CSS property to change the background color of an element to Yxy 93.9277, 0.3939, 0.4633 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, 111) }
```

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

```
.background{ background-color: rgb(255,  
255, 111) }
```

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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