

Converting Colors

$Y_{xy}(100.0000, 0.4252, 0.4717)$

Have a look what the booklet for
Yxy(100.0000, 0.4252, 0.4717)
contains.

Yxy(93.3445, 0.4062, 0.4836)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(93.3445, 0.4062, 0.4836)

Conversions

Conversions Part 1

Format	Color
Hex	FFFF4F
RGB	255, 255, 79
RGB Percent	100%, 100%, 31%
CMY	0.0001, 0.0000, 0.6904
CMYK	0.00, 0.00, 0.69, 0.00
HSL	60°, 100%, 65%
HSV	60°, 69%, 100%
XYZ	78.4047, 93.3445, 21.2708
YIQ	234.9360, 56.4960, -54.7360

Conversions

Conversions Part 2

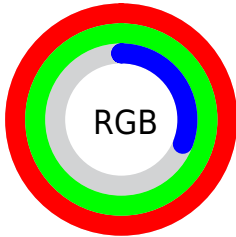
Format	Color
R_{YB}	79, 255, 79
Decimal	16777039
CIE _{Lab}	97.37, -19.73, 79.41
CIE _{LCh}	97, 81.826, 103.950
Yxy	93.3445, 0.4062, 0.4836
Android (android.graphics.Color)	4294967119 (0xFFFFFFFF4F)
YUV	234.9360, -76.8764, 17.5961
Hunter-Lab	96.6150, -24.2203, 54.5771

Details

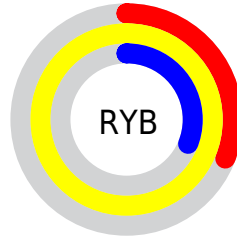
The Yxy color **93.3445, 0.4062, 0.4836** is a light color, and the websafe version is hex **FFFF33**. The color can be described as light washed yellow. A complement of this color would be **14.4652, 0.1787, 0.1074**, and the grayscale version is **83.5813, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6150, 0.3809, 0.4417**, and **52.4489, 0.4158, 0.5080** is the 20% darker color. If you saturate the color by 10%, you get **93.0372, 0.4131, 0.4950**, and if you desaturate by 10%, it is **93.7856, 0.3967, 0.4679**.

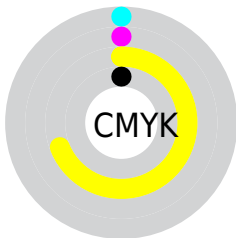
Distribution



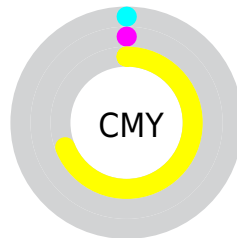
- Red (100%)
- Green (100%)
- Blue (31%)



- Red (31%)
- Yellow (100%)
- Blue (31%)



- Cyan (0%)
- Magenta (0%)
- Yellow (69%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (69%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 93.3445, 0.4062, 0.4836 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 93.3445, 0.4062, 0.4836 by changing the saturation by 10% instead.

 93.3445, 0.4062,
0.4836


 93.3445, 0.4062,
0.4836


538.8514, 0.3712,
0.4181


 70.7579, 0.4117,
0.4962

 151.9755, 0.3960,
0.4627


 52.1446, 0.4173,
0.5104


 188.7886, 0.3915,
0.4540

 37.1204, 0.4223,
0.5263


 231.1127, 0.3873,
0.4463

 25.3007, 0.4259,
0.5436

 279.3322, 0.3835,
0.4394

 16.3012, 0.4292,
0.5654

333.8314, 0.3800,
0.4332

 9.7376, 0.4207,
0.5793


394.9947, 0.3768,


 5.2253, 0.4048,


0.4277

0.5952


463.2066, 0.3739,
0.4227


 2.3801, 0.3791,
0.6209


 0.8156, 0.2647,
0.7353

 93.3445, 0.4062,
0.4836


 93.3445, 0.4062,
0.4836


 93.0372, 0.4131,
0.4950

 93.7856, 0.3967,
0.4679


 92.8591, 0.4173,
0.5019


 94.3878, 0.3850,
0.4485

 92.7804, 0.4192,
0.5051

 95.1596, 0.3715,
0.4261

 92.7750, 0.4193,
0.5053

 96.1126, 0.3568,
0.4018

 97.2570, 0.3415,
0.3766

 98.6027, 0.3262,
0.3513

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.



93.3445, 0.4690, 0.4308



93.3445, 0.4062, 0.4836



93.3445, 0.3236, 0.4933

Triad

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



93.3445, 0.4062, 0.4836



93.3445, 0.1622, 0.2508



93.3445, 0.3718, 0.2500

Complementary

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



93.3445, 0.4062, 0.4836



14.4652, 0.1787, 0.1074

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.



93.3445, 0.2800, 0.2118



93.3445, 0.4062, 0.4836



93.3445, 0.1708, 0.2072

Square

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



93.3445, 0.4062, 0.4836



93.3445, 0.1854, 0.3321



93.3445, 0.2099, 0.1961



93.3445, 0.4546, 0.3045

Rectangle

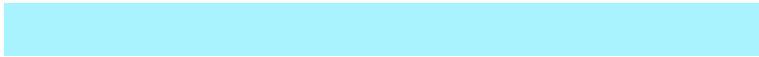
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



93.3445, 0.4062, 0.4836



93.3445, 0.2680, 0.4598



93.3445, 0.2099, 0.1961



93.3445, 0.3402, 0.2351

Sweetspot

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



93.3403, 0.4062, 0.4836



97.0172, 0.3445, 0.3816



27.4081, 0.5466, 0.3297



20.6961, 0.3487, 0.3886



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.



93.3403, 0.4062, 0.4836



92.9528, 0.4150, 0.4982



80.2964, 0.3460, 0.5232



21.0907, 0.3269, 0.3525



48.4770, 0.4193, 0.5053



4.7201, 0.4193, 0.5053

Inverse Universe

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



14.4652, 0.1787, 0.1074



9.4950, 0.1597, 0.0761



21.0170, 0.2380, 0.1360



17.3779, 0.2978, 0.3044



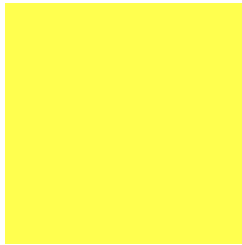
3.7727, 0.1500, 0.0600



0.3674, 0.1500, 0.0600

Previews

White Background



This preview shows how the Yxy color 93.3445, 0.4062, 0.4836 looks on a white background.

Color Contrast Check

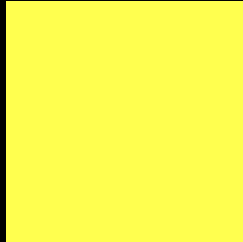
Large Text (above 18pt) WCAG AA × Fail

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 93.3445, 0.4062, 0.4836 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 93.3445, 0.4062, 0.4836

Background



This preview shows how black text looks on a background with the Yxy color 93.3445, 0.4062, 0.4836.



This preview shows how white text looks on a background with the Yxy color 93.3445, 0.4062, 0.4836.

Color Blindness Simulation

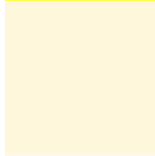
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



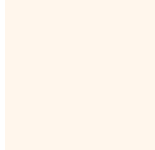
Original Color

93.3445, 0.4062, 0.4836



Protanopia

92.9488, 0.3344, 0.3556



Deuteranopia

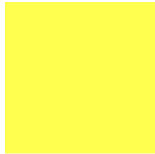
93.2277, 0.3246, 0.3388



Tritanopia

92.8635, 0.3162, 0.3232

Trichromacy



Original Color

93.3445, 0.4062, 0.4836



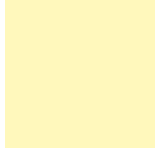
Protanomaly

92.4958, 0.3652, 0.4091



Deuteranomaly

92.2660, 0.3595, 0.3984



Tritanomaly

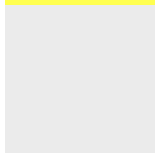
92.0256, 0.3542, 0.3886

Monochromacy



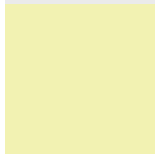
Original Color

93.3445, 0.4062, 0.4836



Achromatopsia

83.0770, 0.3127, 0.3290



Achromatomaly

85.5959, 0.3527, 0.3952

CSS Examples

Text

The CSS property to change the color of the text to Yxy 93.3445, 0.4062, 0.4836 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, 79)` looks like.

```
.text, #text, p{  
    color:rgb(255, 255, 79)  
}
```

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, 79) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 255, 79) }
```

Border

The CSS property to change the border of an element to Yxy 93.3445, 0.4062, 0.4836 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, 79) }
```

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

```
.border{ border-color:rgb(255, 255, 79) }
```

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, 79)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 255, 79); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 255, 79);  
box-shadow:4px 4px 4px 4px rgb(255, 255,  
79) }
```


Background

The CSS property to change the background color of an element to Yxy 93.3445, 0.4062, 0.4836 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, 79) }
```

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

```
.background{ background-color: rgb(255,  
255, 79) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor