

Converting Colors

$Y_{xy}(99.6872, 0.3735, 0.3804)$

Have a look what the booklet for
Yxy(99.6872, 0.3735, 0.3804)
contains.

Yxy(92.8616, 0.3509, 0.3845)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(92.8616, 0.3509, 0.3845)

Conversions

Conversions Part 1

Format	Color
Hex	FFF9C1
RGB	255, 249, 193
RGB Percent	100%, 98%, 76%
CMY	0.0000, 0.0235, 0.2432
CMYK	0.00, 0.02, 0.24, 0.00
HSL	54°, 100%, 88%
HSV	54°, 24%, 100%
XYZ	84.7468, 92.8616, 63.9042
YIQ	244.4100, 21.5520, -16.1440

Conversions

Conversions Part 2

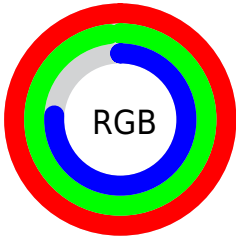
Format	Color
R _Y B	200, 255, 193
Decimal	16775617
CIE Lab	97.17, -6.56, 27.67
CIE LCh	97, 28.440, 103.345
Yxy	92.8616, 0.3509, 0.3845
Android (android.graphics.Color)	4294965697 (0xFFFFF9C1)
YUV	244.4100, -25.3451, 9.2874
Hunter-Lab	96.3647, -11.6586, 28.1372

Details

The Yxy color **92.8616, 0.3509, 0.3845** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **59.4002, 0.2714, 0.2667**, and the grayscale version is **91.0050, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6821, 0.3156, 0.3338**, and **52.0098, 0.3589, 0.3970** is the 20% darker color. If you saturate the color by 10%, you get **90.3043, 0.3672, 0.4075**, and if you desaturate by 10%, it is **95.6346, 0.3347, 0.3613**.

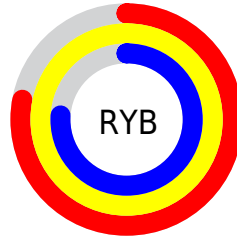
Distribution



Red (100%)

Green (98%)

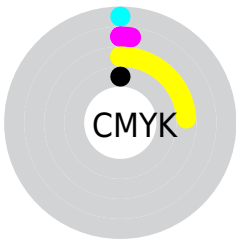
Blue (76%)



Red (78%)

Yellow (100%)

Blue (76%)

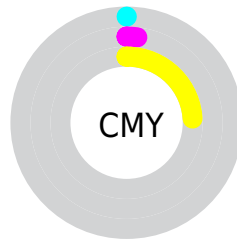


Cyan (0%)

Magenta (2%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (2%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.8616, 0.3509, 0.3845 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 92.8616, 0.3509, 0.3845 by changing the saturation by 10% instead.


 92.8616, 0.3509,
0.3845

 92.8616, 0.3509,
0.3845


537.2962, 0.3343,
0.3597

 70.3565, 0.3544,
0.3899


 151.3070, 0.3453,
0.3761

 51.8172, 0.3587,
0.3965


188.0160, 0.3431,
0.3728

 36.8594, 0.3638,
0.4046


230.2285, 0.3412,
0.3699

 25.0986, 0.3702,
0.4149

278.3288, 0.3395,
0.3673

 16.1506, 0.3783,
0.4282

332.7014, 0.3380,
0.3651

 9.6308, 0.3886,
0.4461


393.7305, 0.3366,


 5.1548, 0.4019,


0.3631


0.4710

461.8007, 0.3354,
0.3613

 2.3384, 0.4383,
0.5310


 0.7939, 0.4281,
0.5719


 92.8616, 0.3509,
0.3845


 92.8616, 0.3509,
0.3845

 90.3043, 0.3672,
0.4075


 95.6346, 0.3347,
0.3613

 87.9533, 0.3831,
0.4293

 98.6336, 0.3192,
0.3385

 85.7975, 0.3980,
0.4490

100.0000, 0.3127,
0.3290

 83.8245, 0.4112,
0.4656

■ 82.0206, 0.4221,
0.4782

■ 80.3700, 0.4303,
0.4864

■ 78.8531, 0.4357,
0.4900

■ 78.0349, 0.4378,
0.4906

Harmonies

Analogous

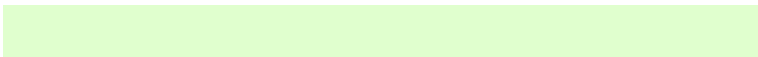
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.8616, 0.3710, 0.3714



92.8616, 0.3509, 0.3845



92.8616, 0.3211, 0.3818

Triad

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



92.8616, 0.3509, 0.3845



92.8616, 0.2541, 0.3045



92.8616, 0.3340, 0.2985

Complementary

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



92.8616, 0.3509, 0.3845



59.4002, 0.2714, 0.2667

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.



92.8616, 0.3018, 0.2823



92.8616, 0.3509, 0.3845



92.8616, 0.2571, 0.2845

Square

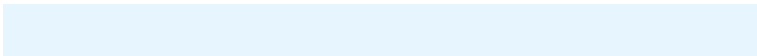
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.8616, 0.3509, 0.3845



92.8616, 0.2659, 0.3333



92.8616, 0.2740, 0.2770



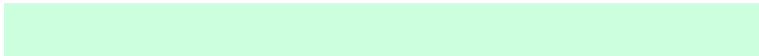
92.8616, 0.3613, 0.3221

Rectangle

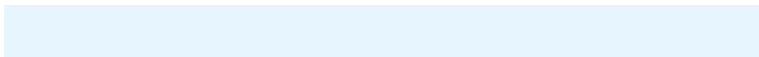
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92.8616, 0.3509, 0.3845



92.8616, 0.3000, 0.3706



92.8616, 0.2740, 0.2770



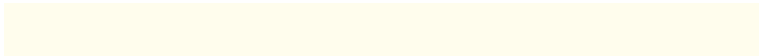
92.8616, 0.3233, 0.2921

Sweetspot

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



92.8613, 0.3509, 0.3845



97.8061, 0.3233, 0.3446



63.5294, 0.3588, 0.3227



20.8952, 0.3242, 0.3459



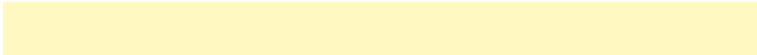
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

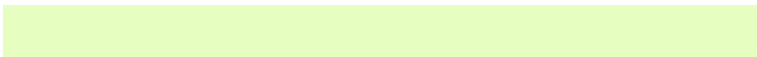
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.8613, 0.3509, 0.3845



91.6374, 0.3585, 0.3953



92.2256, 0.3331, 0.3934



20.7725, 0.3272, 0.3503



40.8979, 0.4374, 0.4909



4.0657, 0.4351, 0.4927

Inverse Universe

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



59.4002, 0.2714, 0.2667



53.1042, 0.2623, 0.2526



60.2309, 0.2881, 0.2631



17.6603, 0.2979, 0.3068



4.2218, 0.1518, 0.0664



0.5012, 0.1553, 0.0790

Previews

White Background



This preview shows how the Yxy color 92.8616, 0.3509, 0.3845 looks on a white background.

Color Contrast Check

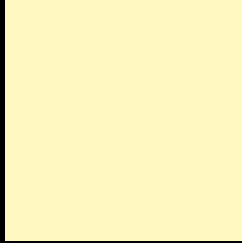
Large Text (above 18pt) WCAG AA × Fail

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 92.8616, 0.3509, 0.3845 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

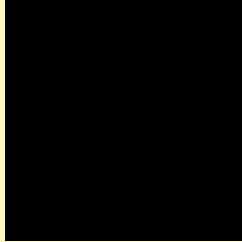
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 92.8616, 0.3509, 0.3845

Background



This preview shows how black text looks on a background with the Yxy color 92.8616, 0.3509, 0.3845.

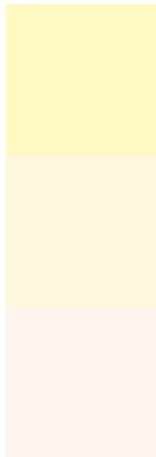


This preview shows how white text looks on a background with the Yxy color 92.8616, 0.3509, 0.3845.

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

92.8616, 0.3509, 0.3845

Protanopia

93.0555, 0.3332, 0.3536

Deuteranopia

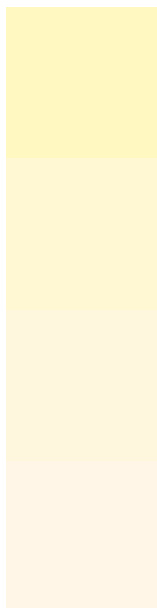
92.7379, 0.3235, 0.3358



Tritanopia

93.0532, 0.3144, 0.3204

Trichromacy



Original Color

92.8616, 0.3509, 0.3845

Protanomaly

93.0980, 0.3399, 0.3655

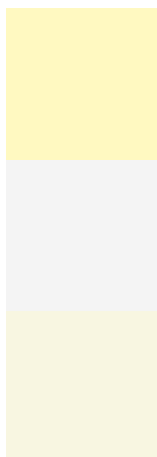
Deuteranomaly

92.4455, 0.3333, 0.3526

Tritanomaly

92.9411, 0.3277, 0.3437

Monochromacy



Original Color

92.8616, 0.3509, 0.3845

Achromatopsia

90.4661, 0.3127, 0.3290

Achromatomaly

91.3042, 0.3268, 0.3499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.8616, 0.3509, 0.3845 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, 249, 193)` looks like.

```
.text, #text, p{  
    color:rgb(255, 249, 193)  
}
```

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, 249, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 249, 193) }
```

Border

The CSS property to change the border of an element to Yxy 92.8616, 0.3509, 0.3845 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, 249, 193) }
```

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

```
.border{ border-color:rgb(255, 249, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 249, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 249, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 249, 193);  
box-shadow:4px 4px 4px 4px rgb(255, 249,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 92.8616, 0.3509, 0.3845 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 249, 193) }
```

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

```
.background{ background-color: rgb(255,  
249, 193) }
```

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