

Converting Colors

$Y_{xy}(100.0000, 0.4026, 0.4187)$

Have a look what the booklet for
Yxy(100.0000, 0.4026, 0.4187)
contains.

Yxy(92.4243, 0.3765, 0.4287)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(92.4243, 0.3765, 0.4287)

Conversions

Conversions Part 1

Format	Color
Hex	FFFB95
RGB	255, 251, 149
RGB Percent	100%, 98%, 58%
CMY	0.0000, 0.0157, 0.4157
CMYK	0.00, 0.02, 0.42, 0.00
HSL	58°, 100%, 79%
HSV	58°, 42%, 100%
XYZ	81.1704, 92.4243, 41.9973
YIQ	240.5680, 35.1260, -30.8740

Conversions

Conversions Part 2

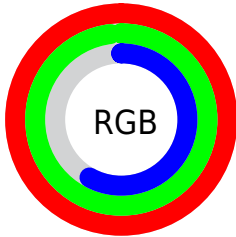
Format	Color
R _Y B	153, 255, 149
Decimal	16776085
CIE Lab	96.99, -12.66, 49.23
CIE LCh	97, 50.834, 104.426
Yxy	92.4243, 0.3765, 0.4287
Android (android.graphics.Color)	4294966165 (0xFFFFFB95)
YUV	240.5680, -45.1430, 12.6569
Hunter-Lab	96.1376, -17.5305, 41.3957

Details

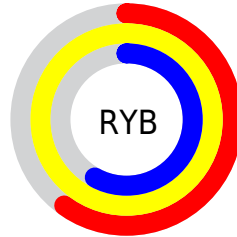
The Yxy color **92.4243, 0.3765, 0.4287** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **36.3961, 0.2355, 0.2049**, and the grayscale version is **87.9451, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.1396, 0.3430, 0.3790**, and **51.7451, 0.3880, 0.4496** is the 20% darker color. If you saturate the color by 10%, you get **91.0955, 0.3904, 0.4499**, and if you desaturate by 10%, it is **93.9318, 0.3614, 0.4054**.

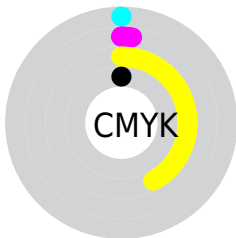
Distribution



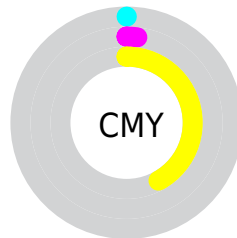
- Red (100%)
- Green (98%)
- Blue (58%)



- Red (60%)
- Yellow (100%)
- Blue (58%)



- Cyan (0%)
- Magenta (2%)
- Yellow (42%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.4243, 0.3765, 0.4287 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 92.4243, 0.3765, 0.4287 by changing the saturation by 10% instead.


 92.4243, 0.3765,
0.4287


 92.4243, 0.3765,
0.4287


535.8859, 0.3498,
0.3845

 69.9931, 0.3818,
0.4381


 150.7013, 0.3679,
0.4139

 51.5209, 0.3879,
0.4493


 187.3159, 0.3643,
0.4080

 36.6233, 0.3949,
0.4629

229.4271, 0.3612,
0.4028

 24.9160, 0.4028,
0.4794

277.4193, 0.3584,
0.3983

 16.0145, 0.4115,
0.4996

331.6769, 0.3559,
0.3942

 9.5344, 0.4198,
0.5242

392.5842, 0.3537,

 5.0914, 0.4346,

0.3906

0.5654

460.5258, 0.3517,
0.3874

■ 2.3010, 0.4181,
0.5819

■ 0.7742, 0.3553,
0.6447

■ 92.4243, 0.3765,
0.4287

■ 92.4243, 0.3765,
0.4287

■ 91.0955, 0.3904,
0.4499

■ 93.9318, 0.3614,
0.4054

■ 89.9376, 0.4026,
0.4681

■ 95.6327, 0.3458,
0.3811

■ 88.9361, 0.4124,
0.4825

■ 97.5355, 0.3302,
0.3566

■ 88.0759, 0.4196,
0.4924

■ 99.6494, 0.3150,
0.3327

■ 87.3388, 0.4241,
0.4979

100.0000, 0.3127,
0.3290

■ 86.7892, 0.4262,
0.4998

Harmonies

Analogous

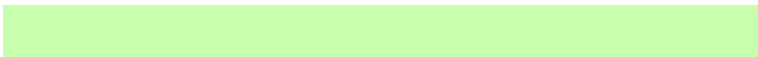
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.4243, 0.4148, 0.4017



92.4243, 0.3765, 0.4287



92.4243, 0.3230, 0.4267

Triad

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



92.4243, 0.3765, 0.4287



92.4243, 0.2120, 0.2813



92.4243, 0.3518, 0.2777

Complementary

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



92.4243, 0.3765, 0.4287



36.3961, 0.2355, 0.2049

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.



92.4243, 0.2942, 0.2505



92.4243, 0.3765, 0.4287



92.4243, 0.2179, 0.2496

Square

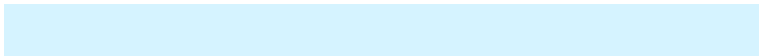
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.4243, 0.3765, 0.4287



92.4243, 0.2297, 0.3327



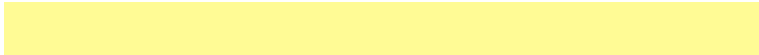
92.4243, 0.2464, 0.2400



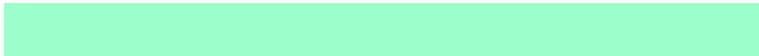
92.4243, 0.4017, 0.3166

Rectangle

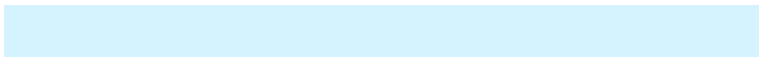
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92.4243, 0.3765, 0.4287



92.4243, 0.2863, 0.4053



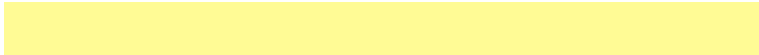
92.4243, 0.2464, 0.2400



92.4243, 0.3325, 0.2670

Sweetspot

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



92.4229, 0.3765, 0.4287



97.4485, 0.3308, 0.3577



45.1007, 0.4152, 0.3237



20.8025, 0.3329, 0.3609



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

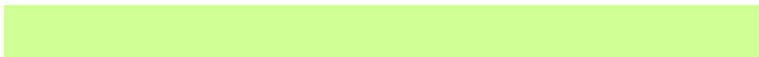
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.4229, 0.3765, 0.4287



91.2918, 0.3883, 0.4468



86.9993, 0.3424, 0.4446



20.9661, 0.3270, 0.3516



45.4014, 0.4261, 0.4999



4.4558, 0.4252, 0.5006

Inverse Universe

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



36.3961, 0.2355, 0.2049



28.3585, 0.2174, 0.1753



40.5478, 0.2695, 0.2112



17.4876, 0.2978, 0.3053



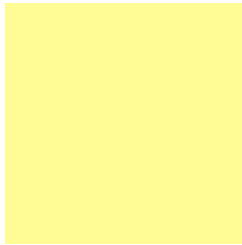
3.9294, 0.1506, 0.0622



0.4196, 0.1521, 0.0676

Previews

White Background



This preview shows how the Yxy color 92.4243, 0.3765, 0.4287 looks on a white background.

Color Contrast Check

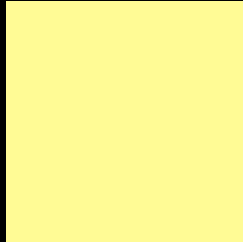
Large Text (above 18pt) WCAG AA × Fail

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 92.4243, 0.3765, 0.4287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

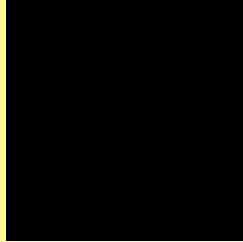
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 92.4243, 0.3765, 0.4287

Background



This preview shows how black text looks on a background with the Yxy color 92.4243, 0.3765, 0.4287.

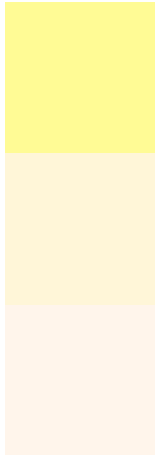


This preview shows how white text looks on a background with the Yxy color 92.4243, 0.3765, 0.4287.

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

92.4243, 0.3765, 0.4287

Protanopia

92.1294, 0.3371, 0.3586

Deuteranopia

92.5630, 0.3253, 0.3388



Tritanopia

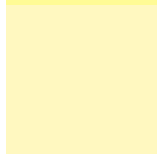
92.3262, 0.3157, 0.3213

Trichromacy



Original Color

92.4243, 0.3765, 0.4287



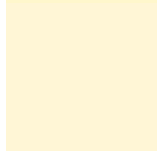
Protanomaly

92.2006, 0.3517, 0.3846



Deuteranomaly

92.1412, 0.3444, 0.3716



Tritanomaly

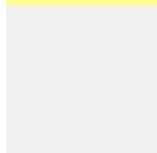
92.0266, 0.3383, 0.3606

Monochromacy



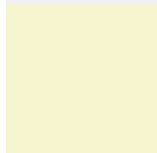
Original Color

92.4243, 0.3765, 0.4287



Achromatopsia

87.9622, 0.3127, 0.3290



Achromatomaly

89.4517, 0.3361, 0.3664

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.4243, 0.3765, 0.4287 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, 251, 149)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 149)  
}
```

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, 251, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 149) }
```

Border

The CSS property to change the border of an element to Yxy 92.4243, 0.3765, 0.4287 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, 251, 149) }
```

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

```
.border{ border-color:rgb(255, 251, 149) }
```

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

Here you see how a box with a 4 pixel rgb(255, 251, 149) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 149); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 149);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
149) }
```


Background

The CSS property to change the background color of an element to Yxy 92.4243, 0.3765, 0.4287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 149) }
```

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

```
.background{ background-color: rgb(255,  
251, 149) }
```

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