

Converting Colors

$Y_{xy}(100.0000, 0.3820, 0.3739)$

Have a look what the booklet for
Yxy(100.0000, 0.3820, 0.3739)
contains.

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Color

Yxy(90.5049, 0.3505, 0.3788)

Conversions

Conversions Part 1

Format	Color
Hex	FFF5C3
RGB	255, 245, 195
RGB Percent	100%, 96%, 76%
CMY	0.0000, 0.0392, 0.2353
CMYK	0.00, 0.04, 0.24, 0.00
HSL	50°, 100%, 88%
HSV	50°, 24%, 100%
XYZ	83.7433, 90.5049, 64.6771
YIQ	242.2900, 22.0100, -13.4300

Conversions

Conversions Part 2

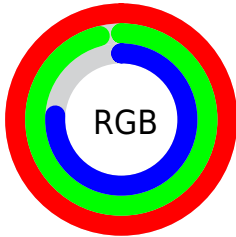
Format	Color
R _Y B	207, 255, 195
Decimal	16774595
CIE Lab	96.21, -4.31, 25.34
CIE LCh	96, 25.699, 99.653
Yxy	90.5049, 0.3505, 0.3788
Android (android.graphics.Color)	4294964675 (0xFFFFF5C3)
YUV	242.2900, -23.3140, 11.1467
Hunter-Lab	95.1341, -9.3571, 26.2854

Details

The Yxy color **90.5049, 0.3505, 0.3788** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **62.4751, 0.2733, 0.2737**, and the grayscale version is **89.2106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.8083, 0.3144, 0.3319**, and **50.3240, 0.3586, 0.3898** is the 20% darker color. If you saturate the color by 10%, you get **86.9105, 0.3677, 0.4003**, and if you desaturate by 10%, it is **94.3606, 0.3338, 0.3572**.

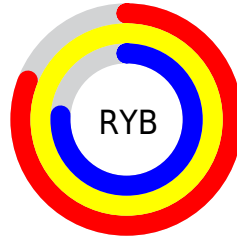
Distribution



Red (100%)

Green (96%)

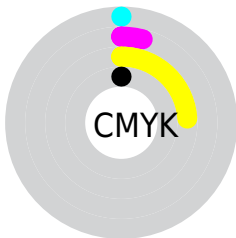
Blue (76%)



Red (81%)

Yellow (100%)

Blue (76%)

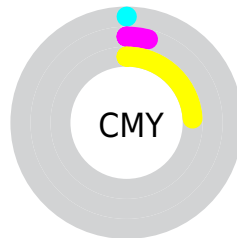


Cyan (0%)

Magenta (4%)

Yellow (24%)

Black (0%)



Cyan (0%)


Magenta (4%)


Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.5049, 0.3505, 0.3788 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 90.5049, 0.3505, 0.3788 by changing the saturation by 10% instead.


 90.5049, 0.3505,
0.3788

 90.5049, 0.3505,
0.3788


529.6719, 0.3339,
0.3565

 68.3995, 0.3541,
0.3837


148.0395, 0.3449,
0.3712

 50.2228, 0.3584,
0.3896

184.2375, 0.3427,
0.3683

 35.5905, 0.3637,
0.3969


225.9018, 0.3407,
0.3657

 24.1181, 0.3703,
0.4062

273.4168, 0.3390,
0.3634

 15.4212, 0.3787,
0.4183

327.1670, 0.3375,
0.3614

 9.1155, 0.3898,
0.4346

387.5366, 0.3362,

 4.8166, 0.4046,

0.3596

0.4574

454.9101, 0.3350,
0.3580

■ 2.1401, 0.4435,
0.5129

■ 0.6870, 0.4436,
0.5564

■ 90.5049, 0.3505,
0.3788

■ 90.5049, 0.3505,
0.3788

■ 86.9105, 0.3677,
0.4003

■ 94.3606, 0.3338,
0.3572

■ 83.5590, 0.3851,
0.4210

■ 98.4792, 0.3180,
0.3362

■ 80.4418, 0.4018,
0.4399

100.0000, 0.3127,
0.3290

■ 77.5465, 0.4172,
0.4559

■ 74.8591, 0.4306,
0.4681

■ 72.3637, 0.4413,
0.4757

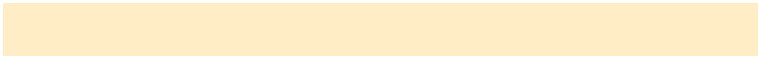
■ 70.0407, 0.4491,
0.4787

■ 68.6126, 0.4528,
0.4786

Harmonies

Analogous

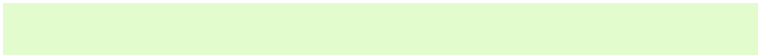
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5049, 0.3672, 0.3657



90.5049, 0.3505, 0.3788



90.5049, 0.3240, 0.3781

Triad

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



90.5049, 0.3505, 0.3788



90.5049, 0.2597, 0.3098



90.5049, 0.3286, 0.2988

Complementary

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



90.5049, 0.3505, 0.3788



62.4751, 0.2733, 0.2737

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.



90.5049, 0.2994, 0.2850



90.5049, 0.3505, 0.3788



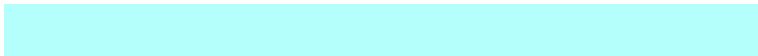
90.5049, 0.2607, 0.2901

Square

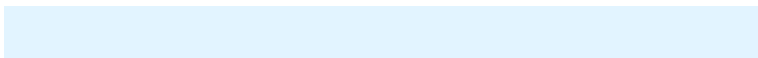
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.5049, 0.3505, 0.3788



90.5049, 0.2721, 0.3365



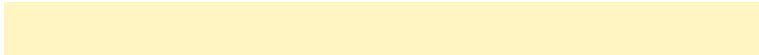
90.5049, 0.2749, 0.2816



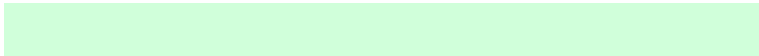
90.5049, 0.3544, 0.3200

Rectangle

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



90.5049, 0.3505, 0.3788



90.5049, 0.3047, 0.3691



90.5049, 0.2749, 0.2816



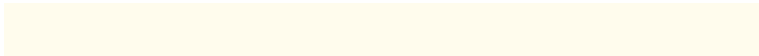
90.5049, 0.3188, 0.2932

Sweetspot

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



90.5076, 0.3505, 0.3788



97.0210, 0.3234, 0.3434



64.6923, 0.3537, 0.3188



20.7129, 0.3243, 0.3447



0.0000, 0.0000, 0.0000



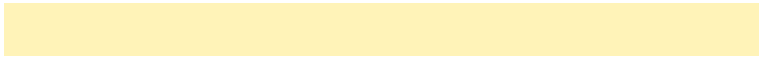
21.4041, 0.3127, 0.3290

Same Dimension

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



90.5076, 0.3505, 0.3788



88.8701, 0.3582, 0.3885



93.1211, 0.3351, 0.3906



20.5453, 0.3273, 0.3487



36.0421, 0.4522, 0.4791



3.6399, 0.4478, 0.4826

Inverse Universe

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



62.4751, 0.2733, 0.2737



56.6118, 0.2649, 0.2615



60.6909, 0.2862, 0.2649



17.8664, 0.2979, 0.3086



4.7977, 0.1540, 0.0743



0.5980, 0.1589, 0.0919

Previews

White Background



This preview shows how the Yxy color 90.5049, 0.3505, 0.3788 looks on a white background.

Color Contrast Check

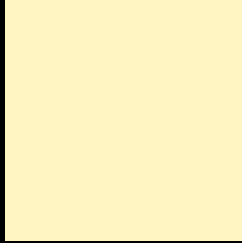
Large Text (above 18pt) WCAG AA × Fail

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 90.5049, 0.3505, 0.3788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

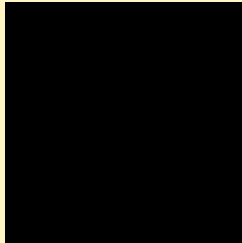
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.5049, 0.3505, 0.3788

Background



This preview shows how black text looks on a background with the Yxy color 90.5049, 0.3505, 0.3788.

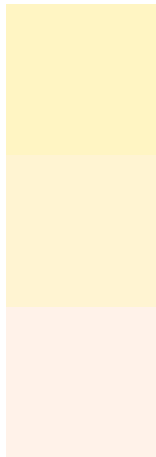


This preview shows how white text looks on a background with the Yxy color 90.5049, 0.3505, 0.3788.

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

90.5049, 0.3505, 0.3788

Protanopia

90.6145, 0.3412, 0.3627

Deuteranopia

90.6475, 0.3269, 0.3378



Tritanopia

90.5452, 0.3158, 0.3184

Trichromacy



Original Color

90.5049, 0.3505, 0.3788

Protanomaly

90.3691, 0.3443, 0.3678

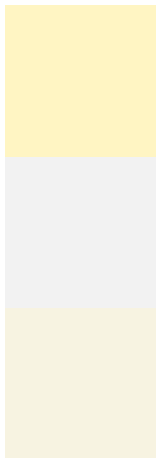
Deuteranomaly

90.4757, 0.3356, 0.3527

Tritanomaly

90.5338, 0.3281, 0.3398

Monochromacy



Original Color

90.5049, 0.3505, 0.3788

Achromatopsia

88.7923, 0.3127, 0.3290

Achromatomaly

89.3116, 0.3264, 0.3470

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.5049, 0.3505, 0.3788 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, 245, 195)` looks like.

```
.text, #text, p{  
  color:rgb(255, 245, 195)  
}
```

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, 245, 195) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 195) }
```

Border

The CSS property to change the border of an element to Yxy 90.5049, 0.3505, 0.3788 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, 245, 195) }
```

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

```
.border{ border-color:rgb(255, 245, 195) }
```

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

Here you see how a box with a 4 pixel rgb(255, 245, 195) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 195); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 195);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
195) }
```


Background

The CSS property to change the background color of an element to Yxy 90.5049, 0.3505, 0.3788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 195) }
```

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

```
.background{ background-color: rgb(255,  
245, 195) }
```

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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