

Converting Colors

$Y_{xy}(90.5985, 0.3486, 0.3757)$

Have a look what the booklet for
Yxy(90.5985, 0.3486, 0.3757)
contains.

Yxy(90.6420, 0.3486, 0.3758)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(90.6420, 0.3486, 0.3758)

Conversions

Conversions Part 1

Format	Color
Hex	FFF5C6
RGB	255, 245, 198
RGB Percent	100%, 96%, 78%
CMY	0.0000, 0.0392, 0.2236
CMYK	0.00, 0.04, 0.22, 0.00
HSL	49°, 100%, 89%
HSV	49°, 22%, 100%
XYZ	84.0814, 90.6420, 66.4740
YIQ	242.6320, 21.0470, -12.4970

Conversions

Conversions Part 2

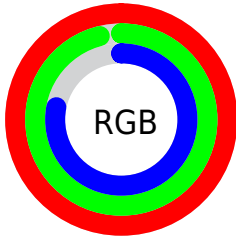
Format	Color
R _Y B	210, 255, 198
Decimal	16774598
CIE Lab	96.26, -3.91, 23.89
CIE LCh	96, 24.208, 99.293
Yxy	90.6420, 0.3486, 0.3758
Android (android.graphics.Color)	4294964678 (0xFFFFF5C6)
YUV	242.6320, -22.0036, 10.8467
Hunter-Lab	95.2061, -8.9681, 25.2473

Details

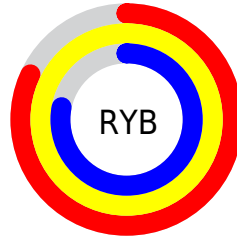
The Yxy color **90.6420, 0.3486, 0.3758** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **64.3144, 0.2755, 0.2774**, and the grayscale version is **89.4862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.4146, 0.3562, 0.3860** is the 20% darker color. If you saturate the color by 10%, you get **86.8974, 0.3659, 0.3972**, and if you desaturate by 10%, it is **94.6580, 0.3319, 0.3545**.

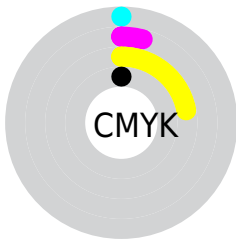
Distribution



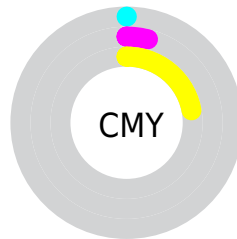
- Red (100%)
- Green (96%)
- Blue (78%)



- Red (82%)
- Yellow (100%)
- Blue (78%)



- Cyan (0%)
- Magenta (4%)
- Yellow (22%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.6420, 0.3486, 0.3758 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 90.6420, 0.3486, 0.3758 by changing the saturation by 10% instead.


 90.6420, 0.3486,
0.3758

 90.6420, 0.3486,
0.3758

530.1170, 0.3328,
0.3549

 68.5132, 0.3520,
0.3804

148.2298, 0.3433,
0.3687

 50.3154, 0.3561,
0.3860

184.4577, 0.3412,
0.3659

 35.6641, 0.3612,
0.3929


226.1541, 0.3393,
0.3635

 24.1749, 0.3675,
0.4016

273.7033, 0.3377,
0.3613

 15.4634, 0.3757,
0.4130

327.4898, 0.3363,
0.3594

 9.1452, 0.3864,
0.4285

387.8980, 0.3350,

 4.8360, 0.4009,

0.3577

0.4502

455.3123, 0.3338,
0.3562

■ 2.1514, 0.4347,
0.4982

■ 0.6933, 0.4484,
0.5516

■ 90.6420, 0.3486,
0.3758

■ 90.6420, 0.3486,
0.3758

■ 86.8974, 0.3659,
0.3972

■ 94.6580, 0.3319,
0.3545

■ 83.4016, 0.3834,
0.4179

■ 98.9429, 0.3163,
0.3338

■ 80.1476, 0.4005,
0.4369

■ 99.9990, 0.3127,
0.3290

■ 77.1229, 0.4163,
0.4531

■ 74.3139, 0.4303,
0.4657

■ 71.7046, 0.4416,
0.4738

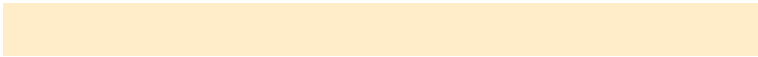
■ 69.2761, 0.4501,
0.4772

■ 67.5215, 0.4548,
0.4771

Harmonies

Analogous

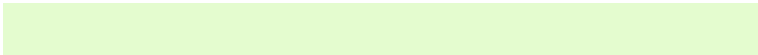
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.6420, 0.3641, 0.3634



90.6420, 0.3486, 0.3758



90.6420, 0.3238, 0.3752

Triad

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



90.6420, 0.3486, 0.3758



90.6420, 0.2628, 0.3112



90.6420, 0.3274, 0.3003

Complementary

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



90.6420, 0.3486, 0.3758



64.3144, 0.2755, 0.2774

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.



90.6420, 0.2999, 0.2873



90.6420, 0.3486, 0.3758



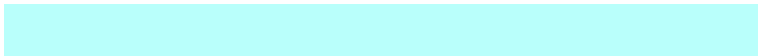
90.6420, 0.2636, 0.2925

Square

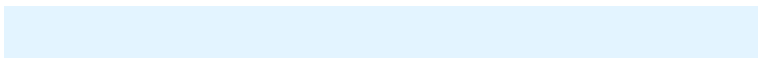
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.6420, 0.3486, 0.3758



90.6420, 0.2747, 0.3364



90.6420, 0.2768, 0.2843



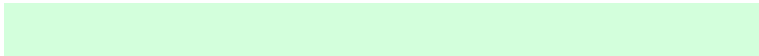
90.6420, 0.3517, 0.3203

Rectangle

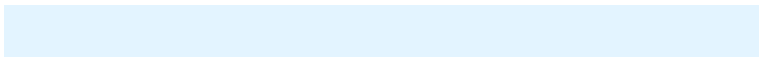
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.6420, 0.3486, 0.3758



90.6420, 0.3056, 0.3668



90.6420, 0.2768, 0.2843



90.6420, 0.3182, 0.2950

Sweetspot

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



90.6461, 0.3486, 0.3758



96.9251, 0.3234, 0.3432



66.2111, 0.3504, 0.3184



20.6906, 0.3243, 0.3445



0.0000, 0.0000, 0.0000



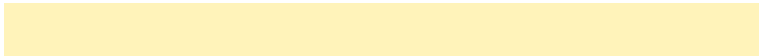
21.4041, 0.3127, 0.3290

Same Dimension

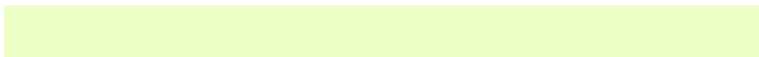
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.6461, 0.3486, 0.3758



88.8790, 0.3566, 0.3858



93.5868, 0.3346, 0.3873



20.5176, 0.3274, 0.3485



35.4807, 0.4541, 0.4776



3.5903, 0.4494, 0.4813

Inverse Universe

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



64.3144, 0.2755, 0.2774



58.1605, 0.2669, 0.2650



62.2003, 0.2871, 0.2683



17.8918, 0.2979, 0.3088



4.8877, 0.1543, 0.0755



0.6104, 0.1593, 0.0935

Previews

White Background



This preview shows how the Yxy color 90.6420, 0.3486, 0.3758 looks on a white background.

Color Contrast Check

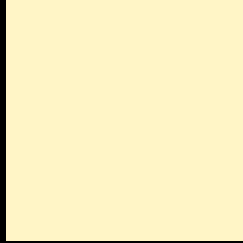
Large Text (above 18pt) WCAG AA × Fail

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 90.6420, 0.3486, 0.3758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

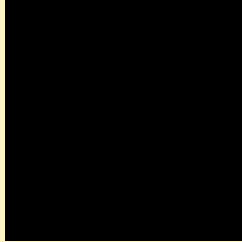
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.6420, 0.3486, 0.3758

Background



This preview shows how black text looks on a background with the Yxy color 90.6420, 0.3486, 0.3758.



This preview shows how white text looks on a background with the Yxy color 90.6420, 0.3486, 0.3758.

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

90.6420, 0.3486, 0.3758

Protanopia

90.7148, 0.3399, 0.3607

Deuteranopia

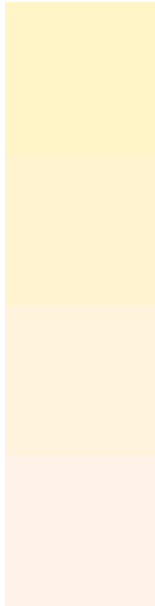
90.7048, 0.3262, 0.3369



Tritanopia

90.5452, 0.3158, 0.3184

Trichromacy



Original Color

90.6420, 0.3486, 0.3758

Protanomaly

90.4664, 0.3431, 0.3658

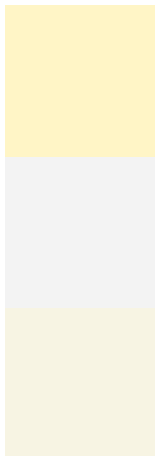
Deuteranomaly

90.5816, 0.3343, 0.3507

Tritanomaly

90.5905, 0.3275, 0.3388

Monochromacy



Original Color

90.6420, 0.3486, 0.3758

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

90.0216, 0.3250, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.6420, 0.3486, 0.3758 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, 198)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 198)  
}
```

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, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 198) }
```

Border

The CSS property to change the border of an element to Yxy 90.6420, 0.3486, 0.3758 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, 198) }
```

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

```
.border{ border-color:rgb(255, 245, 198) }
```

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, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 198);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 90.6420, 0.3486, 0.3758 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, 198) }
```

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

```
.background{ background-color: rgb(255,  
245, 198) }
```

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