

Converting Colors

$Yxy(91.0031, 0.3334, 0.3648)$

Have a look what the booklet for
Yxy(91.0031, 0.3334, 0.3648)
contains.

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Color

Yxy(90.8678, 0.3333, 0.3643)

Conversions

Conversions Part 1

Format	Color
Hex	F6F7D4
RGB	246, 247, 212
RGB Percent	96%, 97%, 83%
CMY	0.0355, 0.0313, 0.1687
CMYK	0.00, 0.00, 0.14, 0.03
HSL	62°, 69%, 90%
HSV	62°, 14%, 97%
XYZ	83.1354, 90.8678, 75.4280
YIQ	242.7110, 10.6390, -11.0970

Conversions

Conversions Part 2

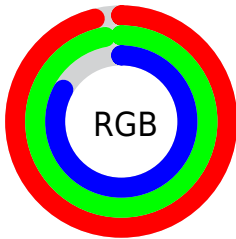
Format	Color
R _Y B	212, 247, 213
Decimal	16185300
CIE Lab	96.36, -6.12, 16.75
CIE LCh	96, 17.834, 110.061
Yxy	90.8678, 0.3333, 0.3643
Android (android.graphics.Color)	4294375380 (0xFFFF6F7D4)
YUV	242.7110, -15.1405, 2.8845
Hunter-Lab	95.3246, -11.1429, 19.8125

Details

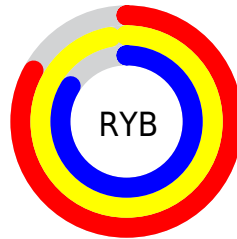
The Yxy color **90.8678, 0.3333, 0.3643** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **67.9449, 0.2906, 0.2913**, and the grayscale version is **89.4985, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.6431, 0.3383, 0.3728** is the 20% darker color. If you saturate the color by 10%, you get **89.5832, 0.3481, 0.3898**, and if you desaturate by 10%, it is **92.3517, 0.3187, 0.3392**.

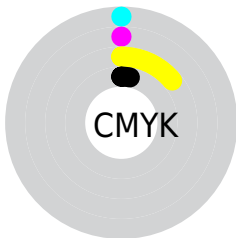
Distribution



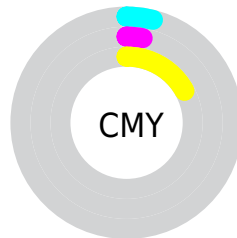
- Red (96%)
- Green (97%)
- Blue (83%)



- Red (83%)
- Yellow (97%)
- Blue (84%)



- Cyan (0%)
- Magenta (0%)
- Yellow (14%)
- Black (3%)



- Cyan (4%)
- Magenta (3%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 90.8678, 0.3333, 0.3643 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 90.8678, 0.3333, 0.3643 by changing the saturation by 10% instead.

90.8678, 0.3333,
0.3643

90.8678, 0.3333,
0.3643

530.8497, 0.3243,
0.3484

68.7006, 0.3353,
0.3678

148.5432, 0.3303,
0.3589

50.4679, 0.3376,
0.3721

184.8202, 0.3290,
0.3567

35.7853, 0.3405,
0.3775

226.5693, 0.3280,
0.3549

24.2685, 0.3442,
0.3843

274.1749, 0.3271,
0.3533

15.5329, 0.3489,
0.3934

328.0213, 0.3262,
0.3519

9.1942, 0.3553,
0.4059

388.4930, 0.3255,

4.8681, 0.3642,

0.3506

0.4244

455.9744, 0.3248,
0.3495

■ 2.1701, 0.3777,
0.4546

■ 0.7036, 0.4247,
0.5753

■ 90.8678, 0.3333,
0.3643

■ 90.8678, 0.3333,
0.3643

■ 89.5832, 0.3481,
0.3898

■ 92.3517, 0.3187,
0.3392

■ 88.4771, 0.3625,
0.4149


■ 93.6131, 0.3083,
0.3213

■ 87.5445, 0.3761,
0.4388

■ 93.7508, 0.3088,
0.3213


■ 86.7750, 0.3882,
0.4603


■ 93.8890, 0.3093,
0.3213

 86.1575, 0.3983,
0.4785

 94.0277, 0.3097,
0.3213

 85.6794, 0.4060,
0.4926


 94.1670, 0.3102,
0.3213


 85.3261, 0.4110,
0.5024

 94.3069, 0.3107,
0.3213

 85.0798, 0.4134,
0.5078

 94.4473, 0.3112,
0.3213

 84.9706, 0.4139,
0.5095

 94.5883, 0.3116,
0.3213

Harmonies

Analogous

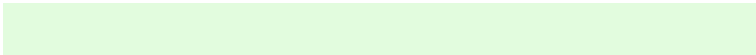
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8678, 0.3475, 0.3588



90.8678, 0.3333, 0.3643



90.8678, 0.3138, 0.3598

Triad

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



90.8678, 0.3333, 0.3643



90.8678, 0.2747, 0.3105



90.8678, 0.3306, 0.3126

Complementary

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



90.8678, 0.3333, 0.3643



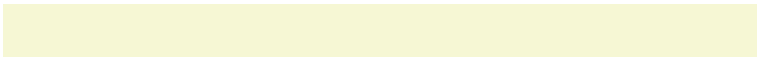
67.9449, 0.2906, 0.2913

Split Complementary

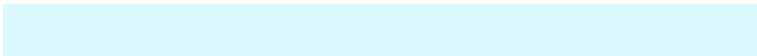
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.8678, 0.3106, 0.3006



90.8678, 0.3333, 0.3643



90.8678, 0.2787, 0.2989

Square

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



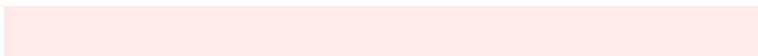
90.8678, 0.3333, 0.3643



90.8678, 0.2804, 0.3278



90.8678, 0.2917, 0.2956



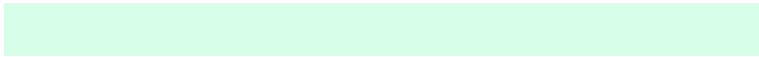
90.8678, 0.3461, 0.3288

Rectangle

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



90.8678, 0.3333, 0.3643



90.8678, 0.3006, 0.3515



90.8678, 0.2917, 0.2956



90.8678, 0.3242, 0.3080

Sweetspot

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



90.8718, 0.3333, 0.3643



99.3014, 0.3184, 0.3388



71.8982, 0.3390, 0.3297



21.2273, 0.3195, 0.3406



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.



90.8718, 0.3333, 0.3643



97.2658, 0.3375, 0.3715



87.9315, 0.3219, 0.3656



19.2863, 0.3264, 0.3524



44.9409, 0.4140, 0.5095



3.9578, 0.4147, 0.5089

Inverse Universe

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



67.9449, 0.2906, 0.2913



68.2742, 0.2856, 0.2829



70.6288, 0.3023, 0.2926



15.9508, 0.2984, 0.3045



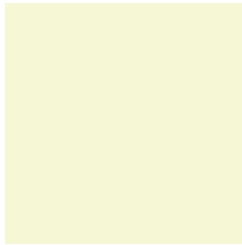
3.5882, 0.1509, 0.0605



0.3237, 0.1533, 0.0618

Previews

White Background



This preview shows how the Yxy color 90.8678, 0.3333, 0.3643 looks on a white background.

Color Contrast Check

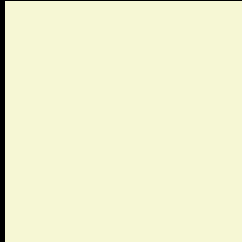
Large Text (above 18pt) WCAG AA × Fail

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 90.8678, 0.3333, 0.3643 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

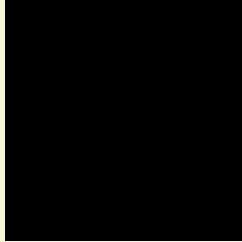
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

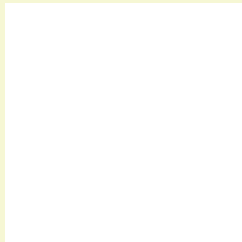
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.8678, 0.3333, 0.3643

Background



This preview shows how black text looks on a background with the Yxy color 90.8678, 0.3333, 0.3643.

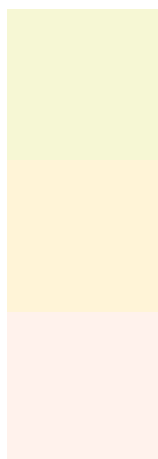


This preview shows how white text looks on a background with the Yxy color 90.8678, 0.3333, 0.3643.

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

90.8678, 0.3333, 0.3643

Protanopia

90.8677, 0.3380, 0.3577

Deuteranopia

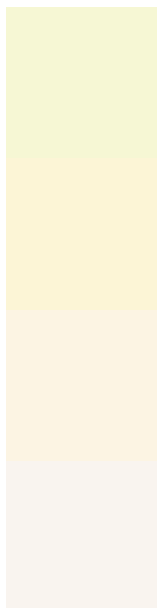
90.8204, 0.3250, 0.3349



Tritanopia

91.0483, 0.3101, 0.3164

Trichromacy



Original Color

90.8678, 0.3333, 0.3643

Protanomaly

90.8553, 0.3364, 0.3599

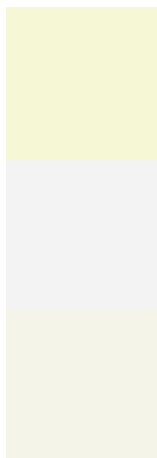
Deuteranomaly

90.9429, 0.3284, 0.3458

Tritanomaly

91.0731, 0.3190, 0.3339

Monochromacy



Original Color

90.8678, 0.3333, 0.3643

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.7607, 0.3200, 0.3410

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.8678, 0.3333, 0.3643 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(246, 247, 212)` looks like.

```
.text, #text, p{  
    color:rgb(246, 247, 212)  
}
```

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(246, 247, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 247, 212) }
```

Border

The CSS property to change the border of an element to Yxy 90.8678, 0.3333, 0.3643 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(246, 247, 212) }
```

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

```
.border{ border-color:rgb(246, 247, 212) }
```

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

Here you see how a box with a 4 pixel rgb(246, 247, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 247, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 247, 212);  
box-shadow:4px 4px 4px 4px rgb(246, 247,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 90.8678, 0.3333, 0.3643 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 247, 212) }
```

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

```
.background{ background-color: rgb(246,  
247, 212) }
```

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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