

Converting Colors

$Y_{xy}(90.3421, 0.3366, 0.3679)$

Have a look what the booklet for
Yxy(90.3421, 0.3366, 0.3679)
contains.

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Color

Yxy(90.2398, 0.3366, 0.3673)

Conversions

Conversions Part 1	
Format	Color
Hex	F7F6D0
RGB	247, 246, 208
RGB Percent	97%, 96%, 82%
CMY	0.0314, 0.0353, 0.1842
CMYK	0.00, 0.00, 0.16, 0.03
HSL	58°, 71%, 89%
HSV	58°, 16%, 97%
XYZ	82.6973, 90.2398, 72.7471
YIQ	241.9670, 12.7940, -11.6060

Conversions

Conversions Part 2

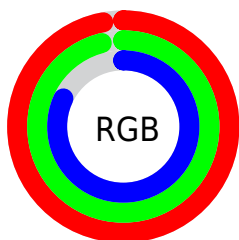
Format	Color
RYB	209, 247, 208
Decimal	16250576
CIELab	96.10, -5.84, 18.43
CIELCh	96, 19.330, 107.587
Yxy	90.2398, 0.3366, 0.3673
Android (android.graphics.Color)	4294440656 (0xFFFF7F6D0)
YUV	241.9670, -16.7457, 4.4139
Hunter-Lab	94.9946, -10.8480, 21.0918

Details

The Yxy color 90.2398, 0.3366, 0.3673 is a light color, and the websafe version is hex FFFFCC. A complement of this color would be 65.7295, 0.2871, 0.2876, and the grayscale version is 88.8954, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 50.1072, 0.3409, 0.3755 is the 20% darker color. If you saturate the color by 10%, you get 88.7440, 0.3521, 0.3921, and if you desaturate by 10%, it is 91.9341, 0.3213, 0.3428.

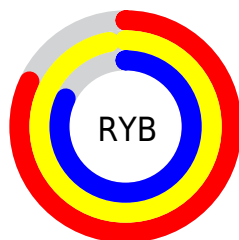
Distribution



Red (97%)

Green (96%)

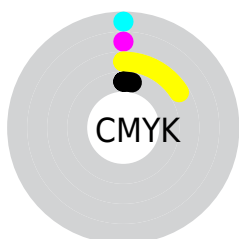
Blue (82%)



Red (82%)

Yellow (97%)

Blue (82%)

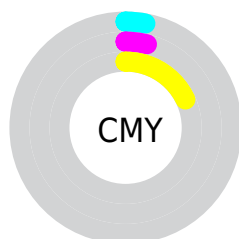


Cyan (0%)

Magenta (0%)

Yellow (16%)

Black (3%)



Cyan (3%)


Magenta (4%)


Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.2398, 0.3366, 0.3673 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 90.2398, 0.3366, 0.3673 by changing the saturation by 10% instead.


 90.2398, 0.3366,
0.3673

 90.2398, 0.3366,
0.3673


528.8106, 0.3261,
0.3501

 68.1795, 0.3389,
0.3711


147.6714, 0.3331,
0.3614

 50.0438, 0.3416,
0.3758


183.8116, 0.3316,
0.3591

 35.4482, 0.3450,
0.3816


225.4139, 0.3304,
0.3571

 24.0083, 0.3493,
0.3890

272.8627, 0.3293,
0.3553

 15.3398, 0.3548,
0.3988

326.5423, 0.3284,
0.3538

 9.0582, 0.3621,
0.4124


386.8373, 0.3275,


 4.7792, 0.3724,


0.3524


0.4322

454.1319, 0.3268,
0.3512


 2.1183, 0.3897,
0.4667


 0.6749, 0.4250,
0.5750

 90.2398, 0.3366,
0.3673


 90.2398, 0.3366,
0.3673


 88.7440, 0.3521,
0.3921

 91.9341, 0.3213,
0.3428

 87.4261, 0.3674,
0.4163


 93.6663, 0.3080,
0.3215

 86.2807, 0.3818,
0.4390


 94.0471, 0.3080,
0.3221


 85.2973, 0.3948,
0.4592


 94.4291, 0.3080,
0.3227

 84.4648, 0.4057,
0.4759


 94.8124, 0.3079,
0.3233


 83.7701, 0.4141,
0.4886


 95.1970, 0.3079,
0.3239


 83.1984, 0.4199,
0.4968

 95.5828, 0.3079,
0.3245

 82.7309, 0.4230,
0.5008

 95.9699, 0.3079,
0.3251

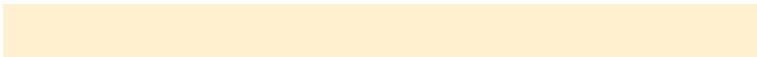
 82.5529, 0.4238,
0.5017

 96.3583, 0.3079,
0.3257

Harmonies

Analogous

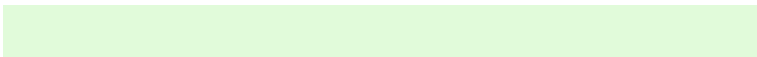
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2398, 0.3514, 0.3603



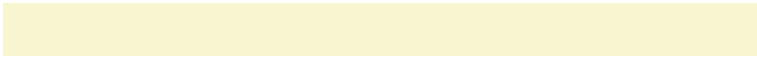
90.2398, 0.3366, 0.3673



90.2398, 0.3157, 0.3634

Triad

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



90.2398, 0.3366, 0.3673



90.2398, 0.2716, 0.3102



90.2398, 0.3304, 0.3099

Complementary

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



90.2398, 0.3366, 0.3673



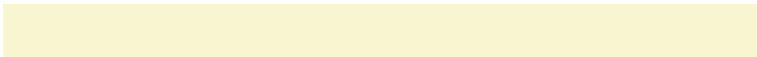
65.7295, 0.2871, 0.2876

Split Complementary

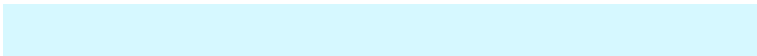
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.2398, 0.3085, 0.2975



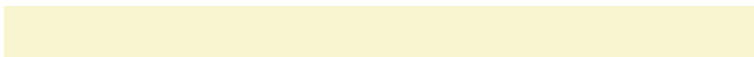
90.2398, 0.3366, 0.3673



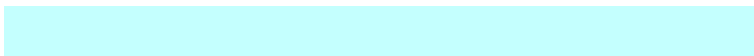
90.2398, 0.2751, 0.2971

Square

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



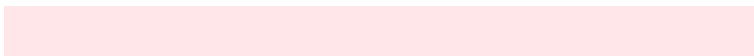
90.2398, 0.3366, 0.3673



90.2398, 0.2786, 0.3293



90.2398, 0.2884, 0.2927



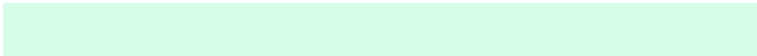
90.2398, 0.3479, 0.3272

Rectangle

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



90.2398, 0.3366, 0.3673



90.2398, 0.3012, 0.3549



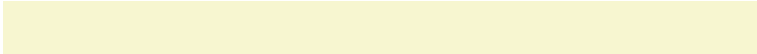
90.2398, 0.2884, 0.2927



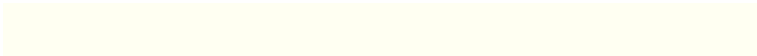
90.2398, 0.3233, 0.3051

Sweetspot

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



90.2438, 0.3366, 0.3673



99.0016, 0.3201, 0.3409



69.5140, 0.3416, 0.3277



21.1613, 0.3212, 0.3426



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.



90.2438, 0.3366, 0.3673



96.4887, 0.3416, 0.3754



87.6949, 0.3242, 0.3698



19.2379, 0.3269, 0.3518



43.6980, 0.4238, 0.5017



3.8629, 0.4232, 0.5022

Inverse Universe

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



65.7295, 0.2871, 0.2876



65.4191, 0.2811, 0.2780



68.0394, 0.2996, 0.2881



15.9934, 0.2979, 0.3051



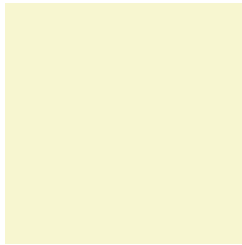
3.6531, 0.1504, 0.0615



0.3441, 0.1515, 0.0655

Previews

White Background



This preview shows how the Yxy color 90.2398, 0.3366, 0.3673 looks on a white background.

Color Contrast Check

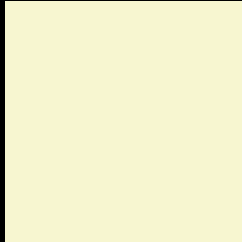
Large Text (above 18pt) WCAG AA × Fail

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 90.2398, 0.3366, 0.3673 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

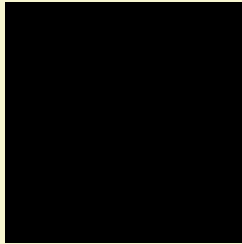
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.2398, 0.3366, 0.3673

Background



This preview shows how black text looks on a background with the Yxy color 90.2398, 0.3366, 0.3673.

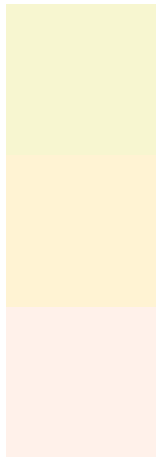


This preview shows how white text looks on a background with the Yxy color 90.2398, 0.3366, 0.3673.

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

90.2398, 0.3366, 0.3673

Protanopia

90.0643, 0.3407, 0.3608

Deuteranopia

90.1111, 0.3263, 0.3359



Tritanopia

90.2356, 0.3114, 0.3145

Trichromacy

	Original Color 90.2398, 0.3366, 0.3673
	Protanomaly 90.0500, 0.3391, 0.3630
	Deuteranomaly 90.2329, 0.3298, 0.3469
	Tritanomaly 90.0013, 0.3204, 0.3330

Monochromacy

	Original Color 90.2398, 0.3366, 0.3673
	Achromatopsia 88.7923, 0.3127, 0.3290
	Achromatomaly 89.0475, 0.3213, 0.3421

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.2398, 0.3366, 0.3673 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(247, 246, 208)` looks like.

```
.text, #text, p{  
    color:rgb(247, 246, 208)  
}
```

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(247, 246, 208) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 246, 208) }
```

Border

The CSS property to change the border of an element to Yxy 90.2398, 0.3366, 0.3673 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(247, 246, 208) }
```

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

```
.border{ border-color:rgb(247, 246, 208) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 246, 208)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 246, 208); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 246, 208);  
box-shadow:4px 4px 4px 4px rgb(247, 246,  
208) }
```


Background

The CSS property to change the background color of an element to Yxy 90.2398, 0.3366, 0.3673 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 246, 208) }
```

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

```
.background{ background-color: rgb(247,  
246, 208) }
```

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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