

Converting Colors

$Y_{xy}(90.8999, 0.3466, 0.3729)$

Have a look what the booklet for
Yxy(90.8999, 0.3466, 0.3729)
contains.

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Color

Yxy(90.7819, 0.3467, 0.3727)

Conversions

Conversions Part 1

Format	Color
Hex	FFF5C9
RGB	255, 245, 201
RGB Percent	100%, 96%, 79%
CMY	0.0000, 0.0392, 0.2116
CMYK	0.00, 0.04, 0.21, 0.00
HSL	49°, 100%, 89%
HSV	49°, 21%, 100%
XYZ	84.4488, 90.7819, 68.3483
YIQ	242.9740, 20.0840, -11.5640

Conversions

Conversions Part 2

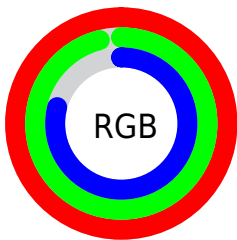
Format	Color
R_{YB}	213, 255, 201
Decimal	16774601
CIE Lab	96.32, -3.46, 22.41
CIE LCh	96, 22.675, 98.776
Yxy	90.7819, 0.3467, 0.3727
Android (android.graphics.Color)	4294964681 (0xFFFFF5C9)
YUV	242.9740, -20.6932, 10.5468
Hunter-Lab	95.2795, -8.5298, 24.1643

Details

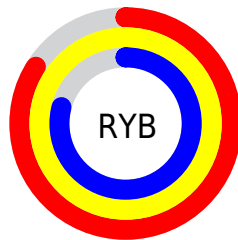
The Yxy color $90.7819, 0.3467, 0.3727$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $66.2503, 0.2777, 0.2811$, and the grayscale version is $89.7596, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $50.5075, 0.3538, 0.3822$ is the 20% darker color. If you saturate the color by 10%, you get $86.8509, 0.3641, 0.3939$, and if you desaturate by 10%, it is $94.9778, 0.3300, 0.3517$.

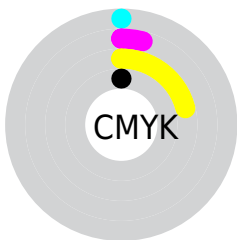
Distribution



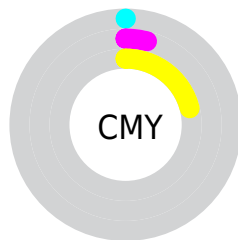
- Red (100%)
- Green (96%)
- Blue (79%)



- Red (84%)
- Yellow (100%)
- Blue (79%)



- Cyan (0%)
- Magenta (4%)
- Yellow (21%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.7819, 0.3467, 0.3727 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 90.7819, 0.3467, 0.3727 by changing the saturation by 10% instead.


 90.7819, 0.3467,
0.3727

 90.7819, 0.3467,
0.3727


530.5711, 0.3317,
0.3532

 68.6293, 0.3499,
0.3770

148.4240, 0.3416,
0.3661

 50.4099, 0.3539,
0.3822

184.6823, 0.3396,
0.3635

 35.7392, 0.3587,
0.3886


226.4114, 0.3379,
0.3612

 24.2328, 0.3647,
0.3968

273.9955, 0.3364,
0.3592

 15.5064, 0.3725,
0.4075

327.8192, 0.3350,
0.3574

 9.1756, 0.3829,
0.4220

388.2667, 0.3338,

 4.8559, 0.3972,

0.3559

0.4426

455.7226, 0.3327,
0.3545

■ 2.1630, 0.4265,
0.4839

■ 0.6997, 0.4535,
0.5465

■ 90.7819, 0.3467,
0.3727

■ 90.7819, 0.3467,
0.3727

■ 86.8509, 0.3641,
0.3939

■ 94.9778, 0.3300,
0.3517

■ 83.1856, 0.3817,
0.4145

■ 99.4595, 0.3145,
0.3313

■ 79.7711, 0.3991,
0.4336

■ 100.0000, 0.3127,
0.3290

■ 76.5952, 0.4155,
0.4501

■ 73.6442, 0.4301,
0.4630

■ 70.9024, 0.4422,
0.4715

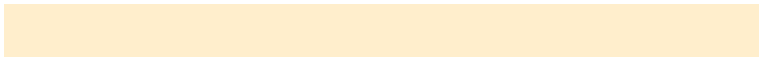
■ 68.3512, 0.4513,
0.4753

■ 66.2304, 0.4572,
0.4752

Harmonies

Analogous

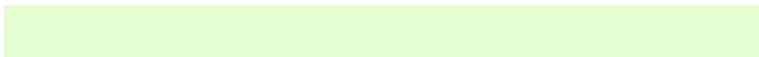
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7819, 0.3610, 0.3611



90.7819, 0.3467, 0.3727



90.7819, 0.3236, 0.3723

Triad

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



90.7819, 0.3467, 0.3727



90.7819, 0.2660, 0.3128



90.7819, 0.3261, 0.3018

Complementary

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



90.7819, 0.3467, 0.3727



66.2503, 0.2777, 0.2811

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.



90.7819, 0.3003, 0.2897



90.7819, 0.3467, 0.3727



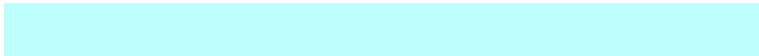
90.7819, 0.2665, 0.2951

Square

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



90.7819, 0.3467, 0.3727



90.7819, 0.2774, 0.3364



90.7819, 0.2788, 0.2871



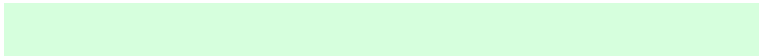
90.7819, 0.3489, 0.3205

Rectangle

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



90.7819, 0.3467, 0.3727



90.7819, 0.3065, 0.3645



90.7819, 0.2788, 0.2871



90.7819, 0.3174, 0.2969

Sweetspot

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



90.7782, 0.3467, 0.3727



97.2564, 0.3218, 0.3410



67.7927, 0.3472, 0.3181



20.7543, 0.3229, 0.3424



0.0000, 0.0000, 0.0000



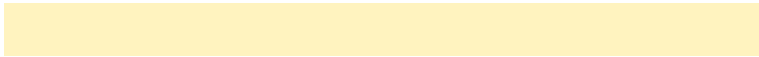
21.4041, 0.3127, 0.3290

Same Dimension

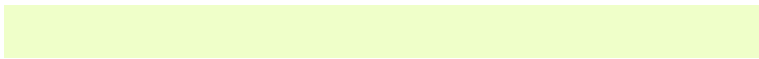
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.7782, 0.3467, 0.3727



89.2401, 0.3533, 0.3809



94.0561, 0.3340, 0.3839



20.4841, 0.3274, 0.3482



34.8128, 0.4565, 0.4758



3.5311, 0.4515, 0.4797

Inverse Universe

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



66.2503, 0.2777, 0.2811



61.0749, 0.2707, 0.2712



63.7938, 0.2880, 0.2717



17.9226, 0.2979, 0.3090



5.0024, 0.1548, 0.0771



0.6260, 0.1599, 0.0955

Previews

White Background



This preview shows how the Yxy color 90.7819, 0.3467, 0.3727 looks on a white background.

Color Contrast Check

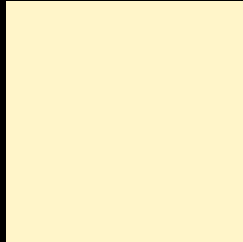
Large Text (above 18pt) WCAG AA × Fail

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 90.7819, 0.3467, 0.3727 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

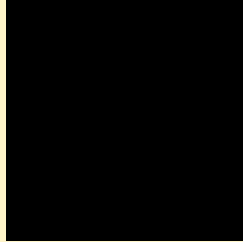
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.7819, 0.3467, 0.3727

Background



This preview shows how black text looks on a background with the Yxy color 90.7819, 0.3467, 0.3727.



This preview shows how white text looks on a background with the Yxy color 90.7819, 0.3467, 0.3727.

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

90.7819, 0.3467, 0.3727

Protanopia

90.7655, 0.3392, 0.3597

Deuteranopia

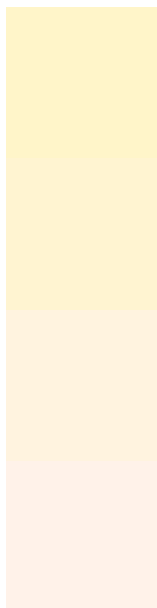
90.7624, 0.3256, 0.3359



Tritanopia

90.5452, 0.3158, 0.3184

Trichromacy



Original Color

90.7819, 0.3467, 0.3727

Protanomaly

90.5648, 0.3418, 0.3637

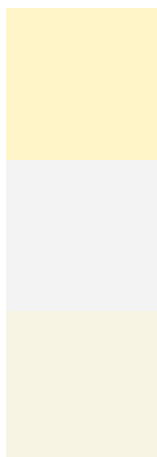
Deuteranomaly

90.6889, 0.3330, 0.3487

Tritanomaly

90.6475, 0.3269, 0.3378

Monochromacy



Original Color

90.7819, 0.3467, 0.3727

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

90.0770, 0.3244, 0.3450

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.7819, 0.3467, 0.3727 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 201)  
}
```

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, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 201) }
```

Border

The CSS property to change the border of an element to Yxy 90.7819, 0.3467, 0.3727 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, 201) }
```

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

```
.border{ border-color:rgb(255, 245, 201) }
```

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, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 201);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
201) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 90.7819, 0.3467, 0.3727$ 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, 201) }
```

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

```
.background{ background-color: rgb(255,  
245, 201) }
```

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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