

Converting Colors

$Y_{xy}(90.2610, 0.3434, 0.3660)$

Have a look what the booklet for
Yxy(90.2610, 0.3434, 0.3660)
contains.

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Color

Yxy(90.4176, 0.3437, 0.3668)

Conversions

Conversions Part 1

Format	Color
Hex	FFF4CE
RGB	255, 244, 206
RGB Percent	100%, 96%, 81%
CMY	0.0001, 0.0431, 0.1923
CMYK	0.00, 0.04, 0.19, 0.00
HSL	47°, 100%, 90%
HSV	47°, 19%, 100%
XYZ	84.7234, 90.4176, 71.3629
YIQ	242.9570, 18.7540, -9.4860

Conversions

Conversions Part 2

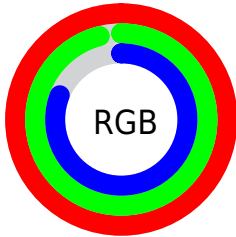
Format	Color
R _Y B	220, 255, 206
Decimal	16774350
CIE Lab	96.17, -2.29, 19.67
CIE LCh	96, 19.802, 96.644
Yxy	90.4176, 0.3437, 0.3668
Android (android.graphics.Color)	4294964430 (0xFFFFF4CE)
YUV	242.9570, -18.2198, 10.5617
Hunter-Lab	95.0882, -7.3612, 22.0651

Details

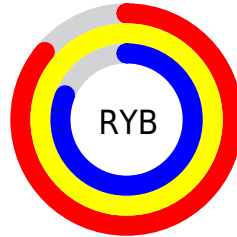
The Yxy color **90.4176, 0.3437, 0.3668** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.9331, 0.2814, 0.2881**, and the grayscale version is **89.7276, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.2392, 0.3500, 0.3746** is the 20% darker color. If you saturate the color by 10%, you get **85.9002, 0.3614, 0.3872**, and if you desaturate by 10%, it is **95.2504, 0.3270, 0.3468**.

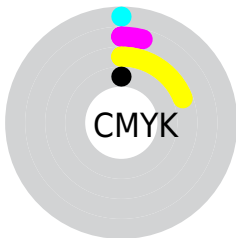
Distribution



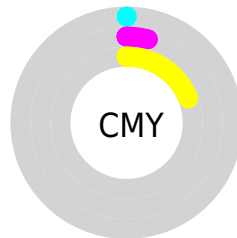
- Red (100%)
- Green (96%)
- Blue (81%)



- Red (86%)
- Yellow (100%)
- Blue (81%)



- Cyan (0%)
- Magenta (4%)
- Yellow (19%)
- Black (0%)





- Cyan (0%)
- Magenta (4%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.4176, 0.3437, 0.3668 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 90.4176, 0.3437, 0.3668 by changing the saturation by 10% instead.


 90.4176, 0.3437,
0.3668

 90.4176, 0.3437,
0.3668

529.3884, 0.3300,
0.3499

 68.3271, 0.3467,
0.3705


147.9183, 0.3391,
0.3611

 50.1639, 0.3503,
0.3750

184.0973, 0.3372,
0.3588

 35.5436, 0.3548,
0.3806


225.7412, 0.3356,
0.3568

 24.0819, 0.3604,
0.3877

273.2344, 0.3342,
0.3551

 15.3944, 0.3677,
0.3970

326.9613, 0.3330,
0.3536

 9.0967, 0.3776,
0.4097

387.3064, 0.3319,

 4.8043, 0.3914,

0.3522

0.4278

454.6539, 0.3309,
0.3510

■ 2.1329, 0.4160,
0.4601

■ 0.6830, 0.4648,
0.5352

■ 90.4176, 0.3437,
0.3668

■ 90.4176, 0.3437,
0.3668

■ 85.9002, 0.3614,
0.3872

■ 95.2504, 0.3270,
0.3468

■ 81.6754, 0.3797,
0.4072

99.9964, 0.3127,
0.3290

■ 77.7359, 0.3981,
0.4259

■ 74.0692, 0.4159,
0.4424

■ 70.6616, 0.4323,
0.4555

■ 67.4973, 0.4463,
0.4644

■ 64.5581, 0.4575,
0.4685

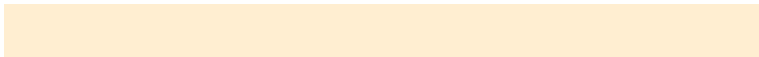
■ 61.8168, 0.4658,
0.4680

■ 61.6086, 0.4664,
0.4679

Harmonies

Analogous

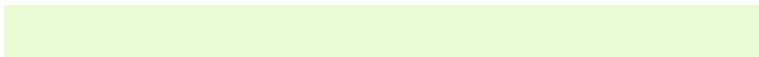
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.4176, 0.3553, 0.3562



90.4176, 0.3437, 0.3668



90.4176, 0.3239, 0.3671

Triad

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



90.4176, 0.3437, 0.3668



90.4176, 0.2720, 0.3164



90.4176, 0.3229, 0.3041

Complementary

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



90.4176, 0.3437, 0.3668



69.9331, 0.2814, 0.2881

Split Complementary

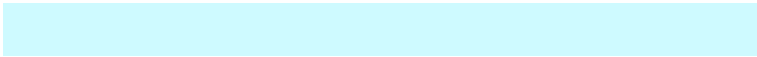
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.4176, 0.3004, 0.2940



90.4176, 0.3437, 0.3668



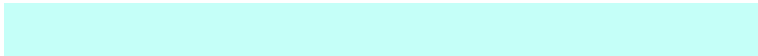
90.4176, 0.2717, 0.3002

Square

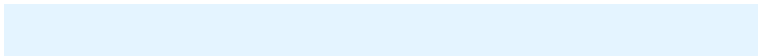
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.4176, 0.3437, 0.3668



90.4176, 0.2828, 0.3370



90.4176, 0.2819, 0.2924



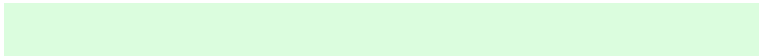
90.4176, 0.3431, 0.3203

Rectangle

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



90.4176, 0.3437, 0.3668



90.4176, 0.3090, 0.3608



90.4176, 0.2819, 0.2924



90.4176, 0.3153, 0.2999

Sweetspot

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



90.4216, 0.3437, 0.3668



96.8883, 0.3219, 0.3405



70.4186, 0.3421, 0.3175



20.6671, 0.3229, 0.3417



0.0000, 0.0000, 0.0000



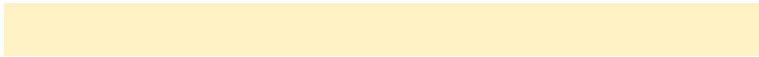
21.4041, 0.3127, 0.3290

Same Dimension

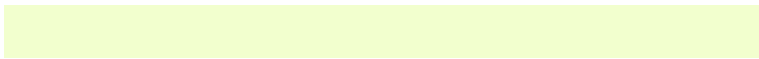
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.4216, 0.3437, 0.3668



88.6915, 0.3503, 0.3745



94.8248, 0.3331, 0.3784



20.3605, 0.3275, 0.3473



32.4307, 0.4654, 0.4686



3.3190, 0.4591, 0.4737

Inverse Universe

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



69.9331, 0.2814, 0.2881



64.8370, 0.2746, 0.2790



66.4167, 0.2895, 0.2773



18.0369, 0.2979, 0.3100



5.4857, 0.1565, 0.0835



0.6886, 0.1621, 0.1034

Previews

White Background



This preview shows how the Yxy color 90.4176, 0.3437, 0.3668 looks on a white background.

Color Contrast Check

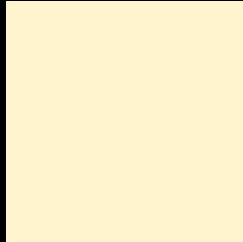
Large Text (above 18pt) WCAG AA × Fail

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 90.4176, 0.3437, 0.3668 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

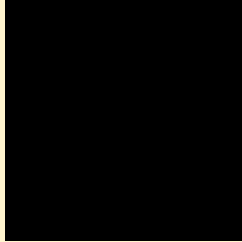
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 90.4176, 0.3437, 0.3668

Background



This preview shows how black text looks on a background with the Yxy color 90.4176, 0.3437, 0.3668.

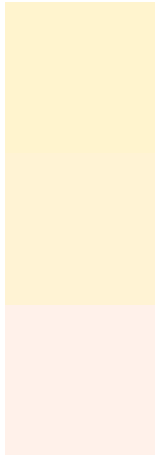


This preview shows how white text looks on a background with the Yxy color 90.4176, 0.3437, 0.3668.

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

90.4176, 0.3437, 0.3668

Protanopia

90.1147, 0.3400, 0.3598

Deuteranopia

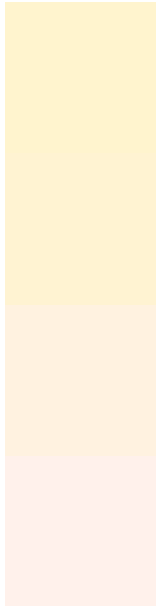
90.1111, 0.3263, 0.3359



Tritanopia

90.5452, 0.3158, 0.3184

Trichromacy



Original Color

90.4176, 0.3437, 0.3668

Protanomaly

90.0143, 0.3413, 0.3618

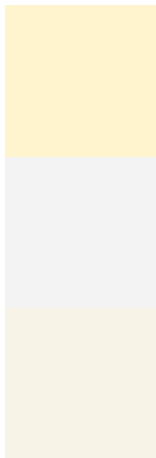
Deuteranomaly

90.1461, 0.3325, 0.3468

Tritanomaly

90.1688, 0.3257, 0.3349

Monochromacy



Original Color

90.4176, 0.3437, 0.3668

Achromatopsia

89.6269, 0.3127, 0.3290

Achromatomaly

89.5885, 0.3233, 0.3420

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.4176, 0.3437, 0.3668 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, 244, 206)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 206)  
}
```

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, 244, 206) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 206) }
```

Border

The CSS property to change the border of an element to Yxy 90.4176, 0.3437, 0.3668 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, 244, 206) }
```

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

```
.border{ border-color:rgb(255, 244, 206) }
```

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

Here you see how a box with a 4 pixel rgb(255, 244, 206) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 206); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 206);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
206) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 90.4176, 0.3437, 0.3668$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 244, 206) }
```

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

```
.background{ background-color: rgb(255,  
244, 206) }
```

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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