

# Converting Colors

$Yxy(90.6481, 0.3421, 0.3764)$

Have a look what the booklet for  
Yxy(90.6481, 0.3421, 0.3764)  
contains.

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# Color

**Yxy(90.6481, 0.3421, 0.3764)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F8F7C8
RGB	248, 247, 200
RGB Percent	97%, 97%, 78%
CMY	0.0276, 0.0313, 0.2157
CMYK	0.00, 0.00, 0.19, 0.03
HSL	59°, 77%, 88%
HSV	59°, 19%, 97%
XYZ	82.3877, 90.6481, 67.7934
YIQ	241.9410, 15.6830, -14.4050

# Conversions

## Conversions Part 2

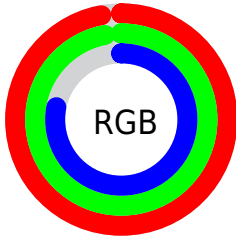
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	201, 248, 200
Decimal	16316360
CIE Lab	96.26, -7.16, 22.78
CIE LCh	96, 23.880, 107.460
Yxy	90.6481, 0.3421, 0.3764
Android (android.graphics.Color)	4294506440 (0xFFFF8F7C8)
YUV	241.9410, -20.6769, 5.3137
Hunter-Lab	95.2093, -12.1545, 24.4293

# Details

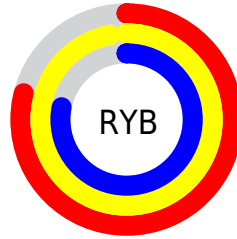
The Yxy color **90.6481, 0.3421, 0.3764** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.8007, 0.2805, 0.2767**, and the grayscale version is **88.9000, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.4133, 0.3478, 0.3870** is the 20% darker color. If you saturate the color by 10%, you get **89.2855, 0.3575, 0.4012**, and if you desaturate by 10%, it is **92.2075, 0.3267, 0.3516**.

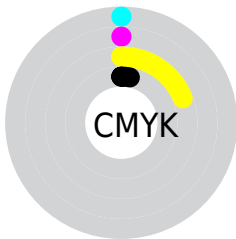
# Distribution



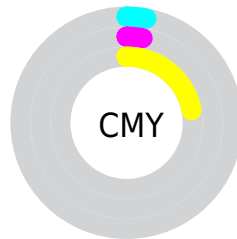
- Red (97%)
- Green (97%)
- Blue (78%)



- Red (79%)
- Yellow (97%)
- Blue (78%)



- Cyan (0%)
- Magenta (0%)
- Yellow (19%)
- Black (3%)




- Cyan (3%)
- Magenta (3%)
- Yellow (22%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.6481, 0.3421, 0.3764 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 90.6481, 0.3421, 0.3764 by changing the saturation by 10% instead.




 90.6481, 0.3421,  
0.3764

 90.6481, 0.3421,  
0.3764

530.1368, 0.3292,  
0.3551

 68.5183, 0.3449,  
0.3811


148.2383, 0.3378,  
0.3691

 50.3195, 0.3482,  
0.3869

184.4675, 0.3361,  
0.3663

 35.6673, 0.3523,  
0.3940


226.1653, 0.3346,  
0.3638

 24.1774, 0.3573,  
0.4031

273.7161, 0.3332,  
0.3616

 15.4653, 0.3638,  
0.4152

327.5042, 0.3321,  
0.3597

 9.1466, 0.3723,  
0.4316

387.9141, 0.3310,

 4.8369, 0.3837,

0.3580

455.3302, 0.3301,  
0.3564

0.4553

2.1519, 0.4092,  
0.5045

0.6936, 0.4112,  
0.5888

90.6481, 0.3421,  
0.3764

90.6481, 0.3421,  
0.3764

89.2855, 0.3575,  
0.4012

92.2075, 0.3267,  
0.3516

88.0987, 0.3725,  
0.4251


93.9602, 0.3118,  
0.3275


87.0819, 0.3864,  
0.4471

94.6059, 0.3086,  
0.3227

86.2242, 0.3985,  
0.4662

94.9087, 0.3086,  
0.3232


 85.5139, 0.4084,  
0.4816


 95.2123, 0.3085,  
0.3236

 84.9371, 0.4158,  
0.4927


 95.5167, 0.3085,  
0.3241


 84.4778, 0.4204,  
0.4994

 95.8219, 0.3085,  
0.3246

 84.1107, 0.4227,  
0.5023

 96.1279, 0.3085,  
0.3251

 84.0880, 0.4229,  
0.5024

 96.4346, 0.3085,  
0.3255

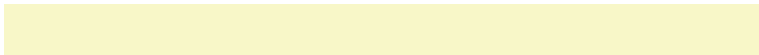
# Harmonies

## Analogous

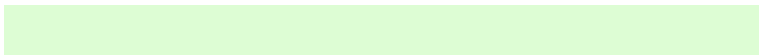
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.6481, 0.3605, 0.3673



90.6481, 0.3421, 0.3764



90.6481, 0.3163, 0.3719

# Triad

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



90.6481, 0.3421, 0.3764



90.6481, 0.2624, 0.3056



90.6481, 0.3344, 0.3055

# Complementary

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



90.6481, 0.3421, 0.3764



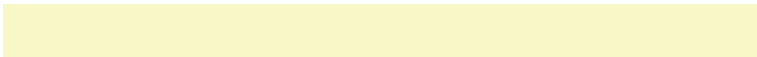
60.8007, 0.2805, 0.2767

# Split Complementary

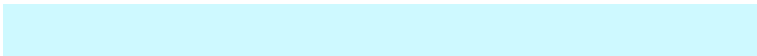
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.6481, 0.3073, 0.2905



90.6481, 0.3421, 0.3764



90.6481, 0.2666, 0.2897

# Square

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



90.6481, 0.3421, 0.3764



90.6481, 0.2708, 0.3293



90.6481, 0.2827, 0.2846



90.6481, 0.3562, 0.3264

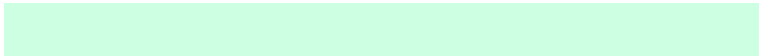


# Rectangle

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



90.6481, 0.3421, 0.3764



90.6481, 0.2985, 0.3613



90.6481, 0.2827, 0.2846



90.6481, 0.3256, 0.2997

# Sweetspot

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



90.6521, 0.3421, 0.3764



98.8605, 0.3216, 0.3434



65.5012, 0.3497, 0.3274



21.1347, 0.3226, 0.3450



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

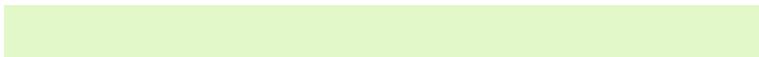
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.6521, 0.3421, 0.3764



96.0435, 0.3478, 0.3856



87.3846, 0.3268, 0.3797



20.1283, 0.3269, 0.3520



45.4647, 0.4228, 0.5025



4.2291, 0.4224, 0.5028



# Inverse Universe

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



60.8007, 0.2805, 0.2767



59.1673, 0.2735, 0.2654



63.6710, 0.2962, 0.2780



16.6980, 0.2979, 0.3049



3.7421, 0.1503, 0.0612

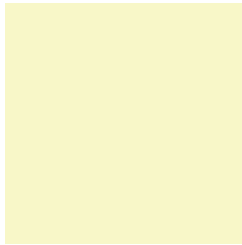


0.3654, 0.1512, 0.0642



# Previews

## White Background



This preview shows how the Yxy color 90.6481, 0.3421, 0.3764 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

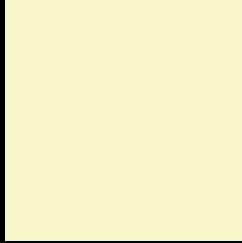
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.6481, 0.3421, 0.3764 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

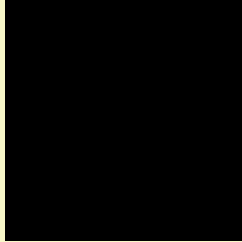
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 90.6481, 0.3421, 0.3764**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.6481, 0.3421, 0.3764.

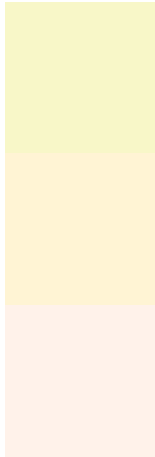


This preview shows how white text looks on a background with the Yxy color 90.6481, 0.3421, 0.3764.

# 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**

90.6481, 0.3421, 0.3764

**Protanopia**

90.7148, 0.3399, 0.3607

**Deuteranopia**

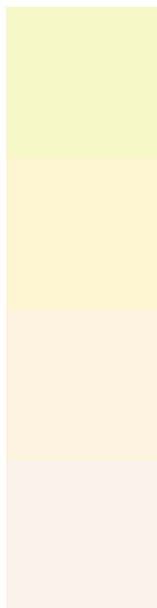
90.7048, 0.3262, 0.3369



## Tritanopia

90.4228, 0.3121, 0.3145

# Trichromacy



## Original Color

90.6481, 0.3421, 0.3764

## Protanomaly

90.5543, 0.3402, 0.3659

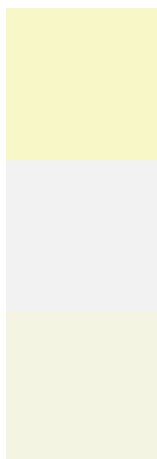
## Deuteranomaly

90.6707, 0.3315, 0.3508

## Tritanomaly

90.6086, 0.3228, 0.3369

# Monochromacy



## Original Color

90.6481, 0.3421, 0.3764

## Achromatopsia

88.7923, 0.3127, 0.3290

## Achromatomaly

89.4805, 0.3231, 0.3461

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.6481, 0.3421, 0.3764 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(248, 247, 200)` looks like.

```
.text, #text, p{  
    color:rgb(248, 247, 200)  
}
```

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(248, 247, 200) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(248, 247, 200) }
```

## Border

The CSS property to change the border of an element to Yxy 90.6481, 0.3421, 0.3764 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(248, 247, 200) }
```

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

```
.border{ border-color:rgb(248, 247, 200) }
```

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

Here you see how a box with a 4 pixel `rgb(248, 247, 200)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(248, 247, 200); -webkit-box-  
shadow:4px 4px 4px 4px rgb(248, 247, 200);  
box-shadow:4px 4px 4px 4px rgb(248, 247,  
200) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.6481, 0.3421, 0.3764 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(248, 247, 200) }
```

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

```
.background{ background-color: rgb(248,  
247, 200) }
```

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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