

# Converting Colors

$Y_{xy}(100.0000, 0.3775, 0.3653)$

Have a look what the booklet for  
Yxy(100.0000, 0.3775, 0.3653)  
contains.

<b>Yxy(90.2732, 0.3456, 0.3698)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(90.2732, 0.3456, 0.3698)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF4CB
RGB	255, 244, 203
RGB Percent	100%, 96%, 80%
CMY	0.0001, 0.0431, 0.2039
CMYK	0.00, 0.04, 0.20, 0.00
HSL	47°, 100%, 90%
HSV	47°, 20%, 100%
XYZ	84.3657, 90.2732, 69.4747
YIQ	242.6150, 19.7170, -10.4190

# Conversions

## Conversions Part 2

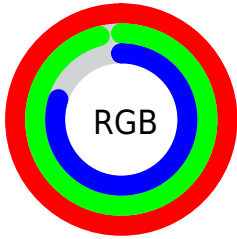
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	217, 255, 203
Decimal	16774347
CIE <sub>Lab</sub>	96.11, -2.71, 21.11
CIE <sub>LCh</sub>	96, 21.285, 97.319
Yxy	90.2732, 0.3456, 0.3698
Android (android.graphics.Color)	4294964427 (0xFFFFF4CB)
YUV	242.6150, -19.5302, 10.8616
Hunter-Lab	95.0122, -7.7731, 23.1546

# Details

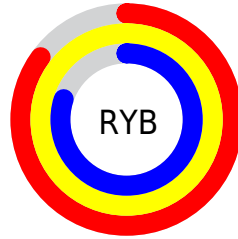
The Yxy color **90.2732, 0.3456, 0.3698** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **67.9938, 0.2792, 0.2846**, and the grayscale version is **89.4531, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.1421, 0.3525, 0.3785** is the 20% darker color. If you saturate the color by 10%, you get **85.9675, 0.3632, 0.3904**, and if you desaturate by 10%, it is **94.8815, 0.3289, 0.3494**.

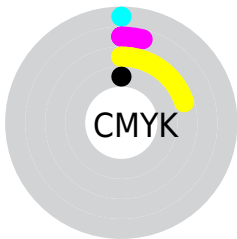
# Distribution



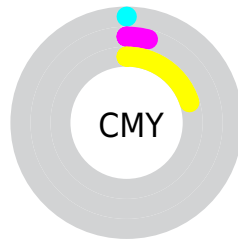
- Red (100%)
- Green (96%)
- Blue (80%)



- Red (85%)
- Yellow (100%)
- Blue (80%)



- Cyan (0%)
- Magenta (4%)
- Yellow (20%)
- Black (0%)




- Cyan (0%)
- Magenta (4%)
- Yellow (20%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.2732, 0.3456, 0.3698 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 90.2732, 0.3456, 0.3698 by changing the saturation by 10% instead.




 90.2732, 0.3456,  
0.3698

 90.2732, 0.3456,  
0.3698


528.9192, 0.3311,  
0.3516

 68.2073, 0.3488,  
0.3738


147.7178, 0.3407,  
0.3636

 50.0664, 0.3526,  
0.3787


183.8653, 0.3387,  
0.3612

 35.4661, 0.3573,  
0.3847


225.4754, 0.3370,  
0.3590

 24.0222, 0.3632,  
0.3923

272.9325, 0.3356,  
0.3572

 15.3501, 0.3709,  
0.4024

326.6211, 0.3342,  
0.3555

 9.0654, 0.3812,  
0.4160

386.9254, 0.3331,

 4.7839, 0.3955,

0.3541

0.4354

454.2300, 0.3320,  
0.3528

■ 2.1210, 0.4234,  
0.4727

■ 0.6764, 0.4602,  
0.5398

■ 90.2732, 0.3456,  
0.3698

■ 90.2732, 0.3456,  
0.3698

■ 85.9675, 0.3632,  
0.3904

■ 94.8815, 0.3289,  
0.3494

■ 81.9418, 0.3814,  
0.4106

99.7901, 0.3133,  
0.3297

■ 78.1887, 0.3995,  
0.4294

99.9973, 0.3127,  
0.3290

■ 74.6957, 0.4167,  
0.4457

■ 71.4491, 0.4324,  
0.4586

■ 68.4331, 0.4456,  
0.4671

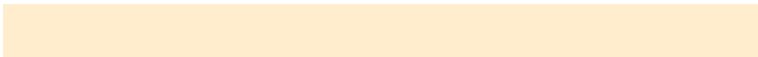
■ 65.6291, 0.4559,  
0.4708

■ 63.1057, 0.4633,  
0.4703

# Harmonies

## Analogous

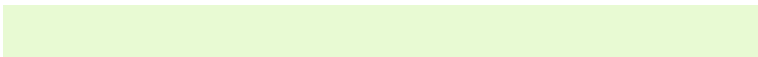
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2732, 0.3584, 0.3585



90.2732, 0.3456, 0.3698



90.2732, 0.3242, 0.3699

# Triad

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



90.2732, 0.3456, 0.3698



90.2732, 0.2689, 0.3149



90.2732, 0.3241, 0.3026

# Complementary

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



90.2732, 0.3456, 0.3698



67.9938, 0.2792, 0.2846

# 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.



90.2732, 0.3000, 0.2916



90.2732, 0.3456, 0.3698



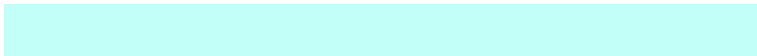
90.2732, 0.2688, 0.2978

# Square

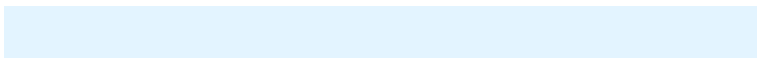
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.2732, 0.3456, 0.3698



90.2732, 0.2802, 0.3371



90.2732, 0.2800, 0.2896



90.2732, 0.3459, 0.3201

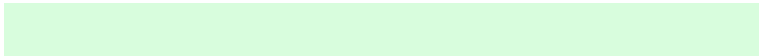


# Rectangle

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



90.2732, 0.3456, 0.3698



90.2732, 0.3081, 0.3630



90.2732, 0.2800, 0.2896



90.2732, 0.3160, 0.2981

# Sweetspot

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



90.2772, 0.3456, 0.3698



97.0101, 0.3219, 0.3407



68.8362, 0.3449, 0.3176



20.6959, 0.3229, 0.3420



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

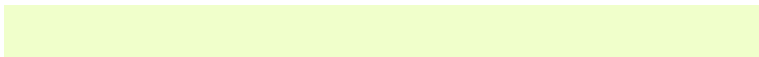
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.2772, 0.3456, 0.3698



88.6988, 0.3519, 0.3773



94.3926, 0.3338, 0.3817



20.4014, 0.3274, 0.3476



33.2032, 0.4624, 0.4710



3.3880, 0.4565, 0.4757



# Inverse Universe

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



67.9938, 0.2792, 0.2846



63.1523, 0.2727, 0.2756



64.7929, 0.2885, 0.2739



17.9990, 0.2979, 0.3097



5.3153, 0.1559, 0.0812



0.6670, 0.1613, 0.1007



# Previews

## White Background



This preview shows how the Yxy color 90.2732, 0.3456, 0.3698 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

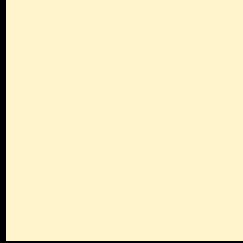
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.2732, 0.3456, 0.3698 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

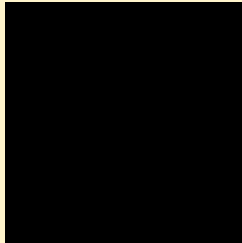
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 90.2732, 0.3456, 0.3698**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.2732, 0.3456, 0.3698.

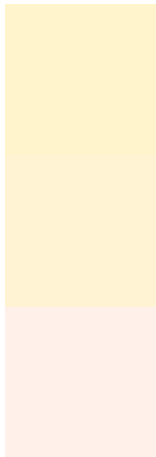


This preview shows how white text looks on a background with the Yxy color 90.2732, 0.3456, 0.3698.

# 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

90.2732, 0.3456, 0.3698

### Protanopia

90.0643, 0.3407, 0.3608

### Deuteranopia

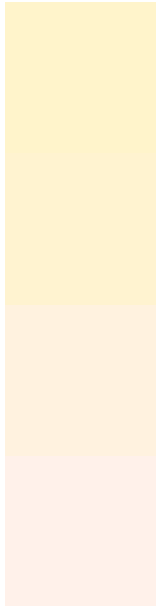
90.1111, 0.3263, 0.3359



## Tritanopia

90.5452, 0.3158, 0.3184

# Trichromacy



## Original Color

90.2732, 0.3456, 0.3698

## Protanomaly

89.9153, 0.3426, 0.3638

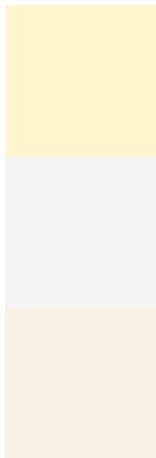
## Deuteranomaly

90.0920, 0.3332, 0.3478

## Tritanomaly

90.1111, 0.3263, 0.3359

# Monochromacy



## Original Color

90.2732, 0.3456, 0.3698

## Achromatopsia

89.6269, 0.3127, 0.3290

## Achromatomaly

89.4768, 0.3245, 0.3440

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.2732, 0.3456, 0.3698 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, 203)` looks like.

```
.text, #text, p{  
    color:rgb(255, 244, 203)  
}
```

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, 203) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 244, 203) }
```

## Border

The CSS property to change the border of an element to Yxy 90.2732, 0.3456, 0.3698 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, 203) }
```

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

```
.border{ border-color:rgb(255, 244, 203) }
```

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, 203)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 244, 203); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 244, 203);  
box-shadow:4px 4px 4px 4px rgb(255, 244,  
203) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.2732, 0.3456, 0.3698 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, 203) }
```

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

```
.background{ background-color: rgb(255,  
244, 203) }
```

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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