

# Converting Colors

$Y_{xy}(100.0000, 0.3639, 0.3541)$

Have a look what the booklet for  
Yxy(100.0000, 0.3639, 0.3541)  
contains.

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# **Color**

**Yxy(91.5746, 0.3366, 0.3567)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF5D9
RGB	255, 245, 217
RGB Percent	100%, 96%, 85%
CMY	0.0000, 0.0392, 0.1492
CMYK	0.00, 0.04, 0.15, 0.00
HSL	44°, 100%, 93%
HSV	44°, 15%, 100%
XYZ	86.4144, 91.5746, 78.7382
YIQ	244.7980, 14.9480, -6.5880

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 255, 217
Decimal	16774617
CIE Lab	96.65, -1.16, 14.70
CIE LCh	97, 14.747, 94.528
Yxy	91.5746, 0.3366, 0.3567
Android (android.graphics.Color)	4294964697 (0xFFFFF5D9)
YUV	244.7980, -13.7044, 8.9472
Hunter-Lab	95.6946, -6.2761, 18.2020

# Details

The Yxy color **91.5746, 0.3366, 0.3567** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **76.8777, 0.2889, 0.2997**, and the grayscale version is **91.2423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.0096, 0.3417, 0.3630** is the 20% darker color. If you saturate the color by 10%, you get **86.3713, 0.3542, 0.3761**, and if you desaturate by 10%, it is **97.1348, 0.3202, 0.3379**.

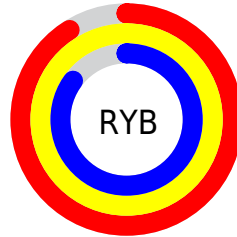
# Distribution



Red (100%)

Green (96%)

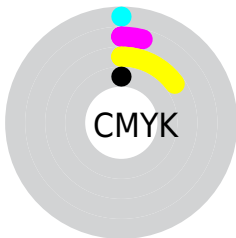
Blue (85%)



Red (91%)

Yellow (100%)

Blue (85%)

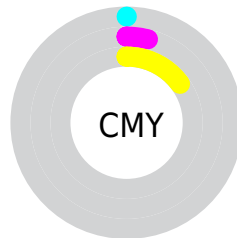


Cyan (0%)

Magenta (4%)

Yellow (15%)

Black (0%)



Cyan (0%)

Magenta (4%)

Yellow (15%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.5746, 0.3366, 0.3567 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 91.5746, 0.3366, 0.3567 by changing the saturation by 10% instead.




 91.5746, 0.3366,  
0.3567

 91.5746, 0.3366,  
0.3567


533.1398, 0.3260,  
0.3444

 69.2874, 0.3389,  
0.3594


149.5237, 0.3330,  
0.3525

 50.9458, 0.3417,  
0.3627


185.9543, 0.3316,  
0.3509

 36.1654, 0.3452,  
0.3668


227.8681, 0.3304,  
0.3494

 24.5620, 0.3496,  
0.3719

275.6496, 0.3293,  
0.3482

 15.7510, 0.3554,  
0.3788

329.6831, 0.3283,  
0.3471

 9.3482, 0.3632,  
0.3881

390.3530, 0.3275,

 4.9690, 0.3745,

0.3461

0.4016

458.0438, 0.3267,  
0.3452

■ 2.2291, 0.3918,  
0.4226

■ 0.7358, 0.4769,  
0.5231

■ 91.5746, 0.3366,  
0.3567

■ 91.5746, 0.3366,  
0.3567

■ 86.3713, 0.3542,  
0.3761

■ 97.1348, 0.3202,  
0.3379

■ 81.5062, 0.3729,  
0.3954

100.0000, 0.3127,  
0.3290

■ 76.9703, 0.3922,  
0.4141

■ 72.7510, 0.4115,  
0.4310

■ 68.8344, 0.4299,  
0.4451

■ 65.2052, 0.4465,  
0.4553

■ 61.8457, 0.4606,  
0.4608

■ 58.7345, 0.4715,  
0.4613

■ 57.2336, 0.4762,  
0.4601

# Harmonies

## Analogous

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



91.5746, 0.3445, 0.3487



91.5746, 0.3366, 0.3567



91.5746, 0.3223, 0.3572

# Triad

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



91.5746, 0.3366, 0.3567



91.5746, 0.2827, 0.3209



91.5746, 0.3192, 0.3096

# Complementary

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



91.5746, 0.3366, 0.3567



76.8777, 0.2889, 0.2997

# Split Complementary

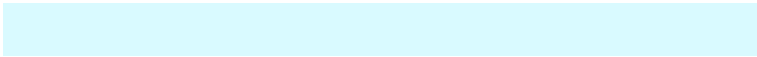
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.5746, 0.3025, 0.3024



91.5746, 0.3366, 0.3567



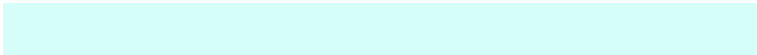
91.5746, 0.2818, 0.3084

# Square

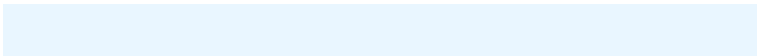
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



91.5746, 0.3366, 0.3567



91.5746, 0.2913, 0.3361



91.5746, 0.2890, 0.3019



91.5746, 0.3344, 0.3217



# Rectangle

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



91.5746, 0.3366, 0.3567



91.5746, 0.3112, 0.3530



91.5746, 0.2890, 0.3019



91.5746, 0.3135, 0.3066

# Sweetspot

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



91.5771, 0.3366, 0.3567



97.6628, 0.3188, 0.3362



76.4169, 0.3335, 0.3189



20.8112, 0.3200, 0.3376



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

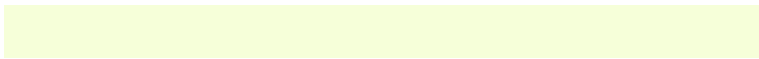
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.5771, 0.3366, 0.3567



89.9355, 0.3419, 0.3626



96.1429, 0.3294, 0.3668



20.2357, 0.3276, 0.3464



30.1623, 0.4750, 0.4610



3.1150, 0.4672, 0.4672



# Inverse Universe

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



76.8777, 0.2889, 0.2997



72.5857, 0.2836, 0.2930



72.9674, 0.2944, 0.2897



18.1535, 0.2979, 0.3109



6.0742, 0.1586, 0.0911

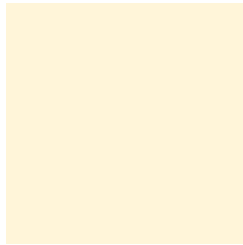


0.7604, 0.1645, 0.1122



# Previews

## White Background



This preview shows how the Yxy color 91.5746, 0.3366, 0.3567 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

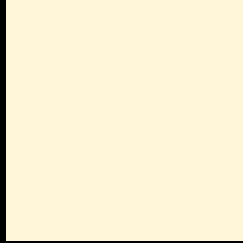
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.5746, 0.3366, 0.3567 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

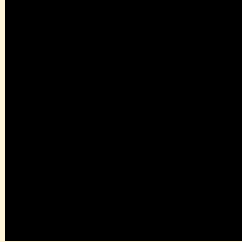
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 91.5746, 0.3366, 0.3567**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.5746, 0.3366, 0.3567.

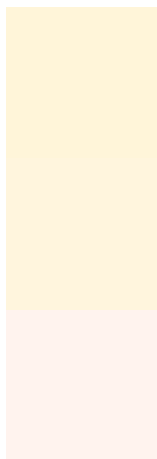


This preview shows how white text looks on a background with the Yxy color 91.5746, 0.3366, 0.3567.

# 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

91.5746, 0.3366, 0.3567

### Protanopia

91.7853, 0.3341, 0.3527

### Deuteranopia

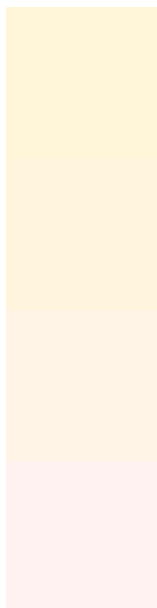
91.5342, 0.3236, 0.3339



## Tritanopia

91.2624, 0.3146, 0.3175

# Trichromacy



## Original Color

91.5746, 0.3366, 0.3567

## Protanomaly

91.7321, 0.3347, 0.3537

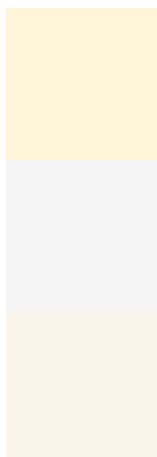
## Deuteranomaly

91.6745, 0.3285, 0.3427

## Tritanomaly

91.0555, 0.3225, 0.3310

# Monochromacy



## Original Color

91.5746, 0.3366, 0.3567

## Achromatopsia

91.3099, 0.3127, 0.3290

## Achromatomaly

91.4427, 0.3214, 0.3389

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.5746, 0.3366, 0.3567 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 217) }
```

## Border

The CSS property to change the border of an element to Yxy 91.5746, 0.3366, 0.3567 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, 217) }
```

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

```
.border{ border-color:rgb(255, 245, 217) }
```

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, 217)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
217) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.5746, 0.3366, 0.3567 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, 217) }
```

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

```
.background{ background-color: rgb(255,  
245, 217) }
```

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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