

# Converting Colors

$Y_{xy}(131.7253, 0.4313, 0.3473)$

Have a look what the booklet for  
Yxy(131.7253, 0.4313, 0.3473)  
contains.

<b>Yxy(92.2860, 0.3352, 0.3556)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(92.2860, 0.3352, 0.3556)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF6DB
RGB	255, 246, 219
RGB Percent	100%, 96%, 86%
CMY	0.0000, 0.0353, 0.1412
CMYK	0.00, 0.04, 0.14, 0.00
HSL	45°, 100%, 93%
HSV	45°, 14%, 100%
XYZ	86.9918, 92.2860, 80.2442
YIQ	245.6130, 14.0310, -6.4890

# Conversions

## Conversions Part 2

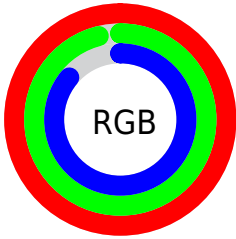
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	231, 255, 219
Decimal	16774875
CIE Lab	96.94, -1.34, 14.07
CIE LCh	97, 14.129, 95.449
Yxy	92.2860, 0.3352, 0.3556
Android (android.graphics.Color)	4294964955 (0xFFFFF6DB)
YUV	245.6130, -13.1202, 8.2324
Hunter-Lab	96.0656, -6.4750, 17.7206

# Details

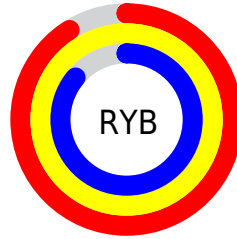
The Yxy color **92.2860, 0.3352, 0.3556** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **77.7693, 0.2902, 0.3009**, and the grayscale version is **91.9261, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.5130, 0.3398, 0.3617** is the 20% darker color. If you saturate the color by 10%, you get **87.2272, 0.3526, 0.3752**, and if you desaturate by 10%, it is **97.6776, 0.3190, 0.3366**.

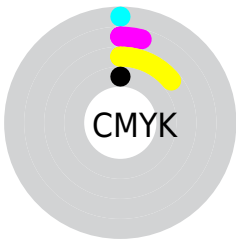
# Distribution



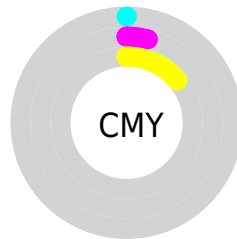
- Red (100%)
- Green (96%)
- Blue (86%)



- Red (91%)
- Yellow (100%)
- Blue (86%)



- Cyan (0%)
- Magenta (4%)
- Yellow (14%)
- Black (0%)




- Cyan (0%)
- Magenta (4%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.2860, 0.3352, 0.3556 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 92.2860, 0.3352, 0.3556 by changing the saturation by 10% instead.



 92.2860, 0.3352,  
0.3556

 92.2860, 0.3352,  
0.3556

535.4394, 0.3253,  
0.3438

 69.8782, 0.3374,  
0.3582


150.5097, 0.3318,  
0.3516

 51.4272, 0.3400,  
0.3613


187.0944, 0.3305,  
0.3500

 36.5487, 0.3433,  
0.3652


229.1736, 0.3293,  
0.3486

 24.8583, 0.3474,  
0.3702

277.1315, 0.3283,  
0.3474

 15.9715, 0.3528,  
0.3767

331.3527, 0.3274,  
0.3464

 9.5040, 0.3601,  
0.3857

392.2214, 0.3266,

 5.0714, 0.3707,

0.3454

0.3986

460.1222, 0.3259,  
0.3445

■ 2.2892, 0.3869,  
0.4189

■ 0.7680, 0.4758,  
0.5242

■ 92.2860, 0.3352,  
0.3556

■ 92.2860, 0.3352,  
0.3556

■ 87.2272, 0.3526,  
0.3752

■ 97.6776, 0.3190,  
0.3366

■ 82.4998, 0.3711,  
0.3949

100.0000, 0.3127,  
0.3290

■ 78.0894, 0.3901,  
0.4139

■ 73.9836, 0.4090,  
0.4312

■ 70.1691, 0.4271,  
0.4458

■ 66.6307, 0.4434,  
0.4565

■ 63.3513, 0.4572,  
0.4627

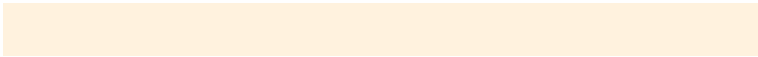
■ 60.3100, 0.4678,  
0.4638

■ 58.6156, 0.4730,  
0.4627

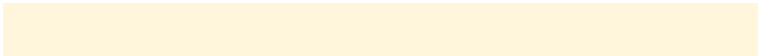
# Harmonies

## Analogous

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



92.2860, 0.3430, 0.3481



92.2860, 0.3352, 0.3556



92.2860, 0.3214, 0.3558

# Triad

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



92.2860, 0.3352, 0.3556



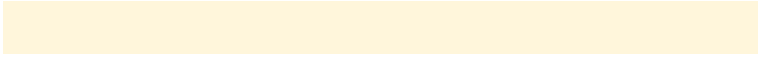
92.2860, 0.2838, 0.3208



92.2860, 0.3194, 0.3107

# Complementary

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



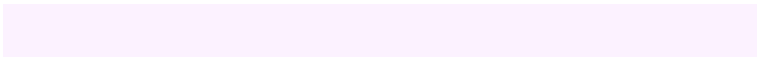
92.2860, 0.3352, 0.3556



77.7693, 0.2902, 0.3009

# Split Complementary

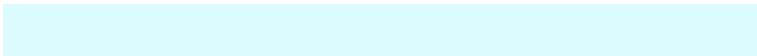
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.2860, 0.3035, 0.3037



92.2860, 0.3352, 0.3556



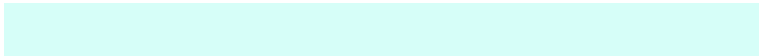
92.2860, 0.2833, 0.3091

# Square

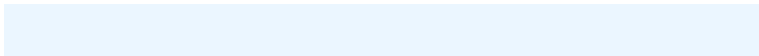
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.2860, 0.3352, 0.3556



92.2860, 0.2919, 0.3354



92.2860, 0.2904, 0.3030



92.2860, 0.3338, 0.3224

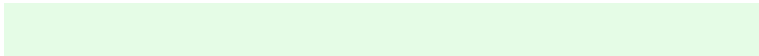


# Rectangle

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



92.2860, 0.3352, 0.3556



92.2860, 0.3108, 0.3516



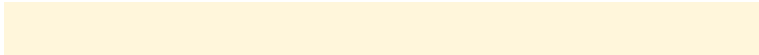
92.2860, 0.2904, 0.3030



92.2860, 0.3140, 0.3078

# Sweetspot

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



92.2829, 0.3352, 0.3556



97.7433, 0.3188, 0.3364



77.5576, 0.3322, 0.3195



20.8316, 0.3200, 0.3378



0.0000, 0.0000, 0.0000

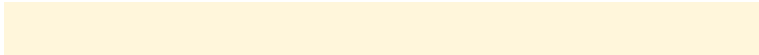


21.4041, 0.3127, 0.3290

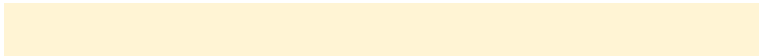


# Same Dimension

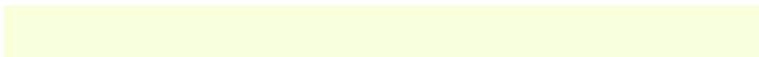
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.2829, 0.3352, 0.3556



90.7915, 0.3401, 0.3612



96.3359, 0.3285, 0.3647



20.2759, 0.3275, 0.3467



30.8775, 0.4719, 0.4635



3.1795, 0.4646, 0.4693



# Inverse Universe

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



77.7693, 0.2902, 0.3009



73.6701, 0.2853, 0.2946



74.2787, 0.2955, 0.2919



18.1158, 0.2979, 0.3106



5.8733, 0.1579, 0.0885

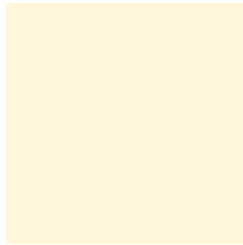


0.7363, 0.1637, 0.1093



# Previews

## White Background



This preview shows how the Yxy color 92.2860, 0.3352, 0.3556 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

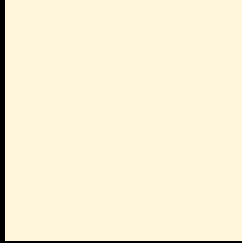
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.2860, 0.3352, 0.3556 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

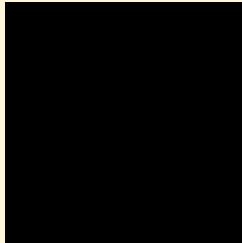
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 92.2860, 0.3352, 0.3556**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.2860, 0.3352, 0.3556.

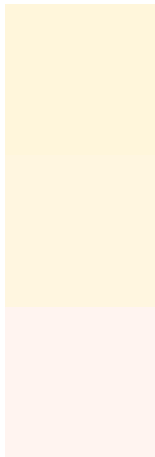


This preview shows how white text looks on a background with the Yxy color 92.2860, 0.3352, 0.3556.

# 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

92.2860, 0.3352, 0.3556

### Protanopia

92.5534, 0.3320, 0.3506

### Deuteranopia

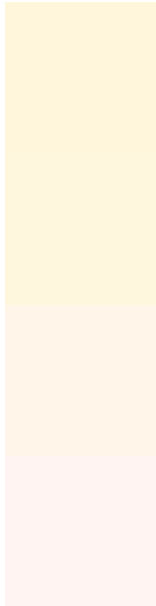
92.2526, 0.3223, 0.3329



## Tritanopia

92.5169, 0.3139, 0.3185

# Trichromacy



## Original Color

92.2860, 0.3352, 0.3556

## Protanomaly

92.4455, 0.3333, 0.3526

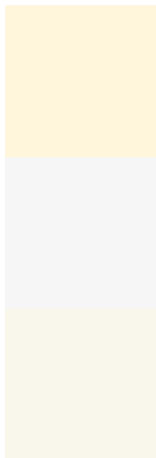
## Deuteranomaly

92.3910, 0.3272, 0.3417

## Tritanomaly

92.3122, 0.3217, 0.3319

# Monochromacy



## Original Color

92.2860, 0.3352, 0.3556

## Achromatopsia

92.1582, 0.3127, 0.3290

## Achromatomaly

92.1074, 0.3207, 0.3389

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.2860, 0.3352, 0.3556 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, 246, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 219)  
}
```

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, 246, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 92.2860, 0.3352, 0.3556 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, 246, 219) }
```

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

```
.border{ border-color:rgb(255, 246, 219) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 246, 219); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 246, 219); box-shadow:4px 4px 4px 4px rgb(255, 246, 219) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.2860, 0.3352, 0.3556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 219) }
```

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

```
.background{ background-color: rgb(255,  
246, 219) }
```

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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