

# Converting Colors

$Y_{xy}(90.0360, 0.3355, 0.3517)$

Have a look what the booklet for  
Yxy(90.0360, 0.3355, 0.3517)  
contains.

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# Color

**Yxy(89.8787, 0.3357, 0.3518)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF2DB
RGB	255, 242, 219
RGB Percent	100%, 95%, 86%
CMY	0.0002, 0.0509, 0.1412
CMYK	0.00, 0.05, 0.14, 0.00
HSL	38°, 100%, 93%
HSV	38°, 14%, 100%
XYZ	85.7654, 89.8787, 79.8382
YIQ	243.2650, 15.1310, -4.3970

# Conversions

## Conversions Part 2

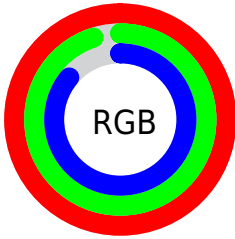
<b>Format</b>	<b>Color</b>
RYB	239, 255, 219
Decimal	16773851
CIELab	95.95, 0.64, 12.66
CIElCh	96, 12.678, 87.123
Yxy	89.8787, 0.3357, 0.3518
Android (android.graphics.Color)	4294963931 (0xFFFFF2DB)
YUV	243.2650, -11.9626, 10.2916
Hunter-Lab	94.8044, -4.4264, 16.4328

# Details

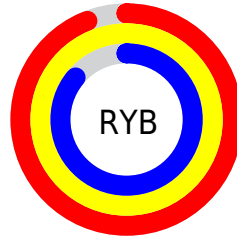
The Yxy color **89.8787, 0.3357, 0.3518** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.9487, 0.2904, 0.3051**, and the grayscale version is **89.9358, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.8039, 0.3407, 0.3568** is the 20% darker color. If you saturate the color by 10%, you get **83.3174, 0.3541, 0.3688**, and if you desaturate by 10%, it is **96.9274, 0.3190, 0.3355**.

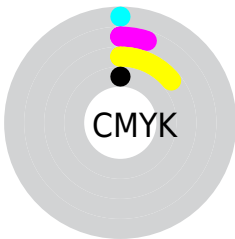
# Distribution



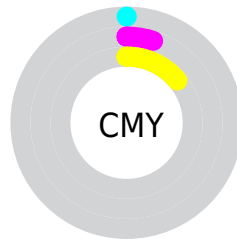
- Red (100%)
- Green (95%)
- Blue (86%)



- Red (94%)
- Yellow (100%)
- Blue (86%)



- Cyan (0%)
- Magenta (5%)
- Yellow (14%)
- Black (0%)



- Cyan (0%)
- Magenta (5%)
- Yellow (14%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.8787, 0.3357, 0.3518 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 89.8787, 0.3357, 0.3518 by changing the saturation by 10% instead.



 89.8787, 0.3357,  
0.3518

 89.8787, 0.3357,  
0.3518

527.6362, 0.3255,  
0.3417

 67.8800, 0.3380,  
0.3540


147.1699, 0.3322,  
0.3484

 49.8002, 0.3407,  
0.3567


183.2312, 0.3308,  
0.3470

 35.2546, 0.3441,  
0.3601


224.7489, 0.3296,  
0.3458

 23.8591, 0.3484,  
0.3644

272.1073, 0.3286,  
0.3448

 15.2291, 0.3542,  
0.3700

325.6908, 0.3277,  
0.3439

 8.9803, 0.3620,  
0.3777

385.8839, 0.3269,

 4.7284, 0.3735,

0.3431

0.3888

453.0709, 0.3261,  
0.3423

■ 2.0888, 0.3916,  
0.4063

■ 0.6583, 0.4934,  
0.5066

■ 89.8787, 0.3357,  
0.3518

■ 89.8787, 0.3357,  
0.3518

■ 83.3174, 0.3541,  
0.3688

■ 96.9274, 0.3190,  
0.3355

■ 77.2183, 0.3742,  
0.3859

99.9920, 0.3127,  
0.3290

■ 71.5712, 0.3955,  
0.4026

■ 66.3610, 0.4177,  
0.4178

■ 61.5715, 0.4397,  
0.4304

■ 57.1847, 0.4607,  
0.4392

■ 53.1803, 0.4793,  
0.4433

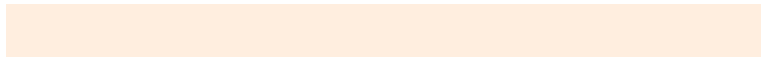
■ 49.5343, 0.4947,  
0.4420

■ 47.5356, 0.5024,  
0.4393

# Harmonies

## Analogous

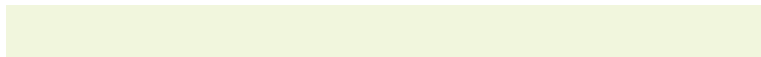
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.8787, 0.3408, 0.3436



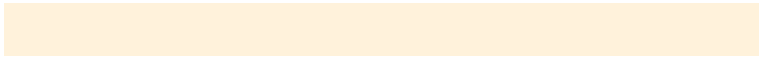
89.8787, 0.3357, 0.3518



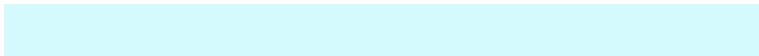
89.8787, 0.3244, 0.3539

# Triad

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



89.8787, 0.3357, 0.3518



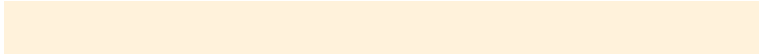
89.8787, 0.2879, 0.3252



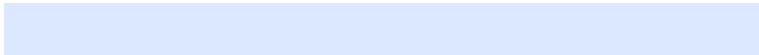
89.8787, 0.3147, 0.3101

# Complementary

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



89.8787, 0.3357, 0.3518



79.9487, 0.2904, 0.3051

# Split Complementary

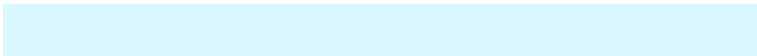
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.8787, 0.3007, 0.3052



89.8787, 0.3357, 0.3518



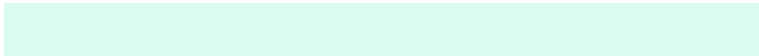
89.8787, 0.2854, 0.3135

# Square

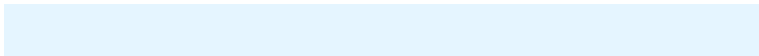
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.8787, 0.3357, 0.3518



89.8787, 0.2969, 0.3383



89.8787, 0.2900, 0.3064



89.8787, 0.3285, 0.3198

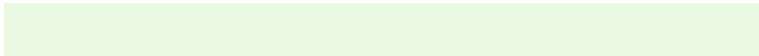


# Rectangle

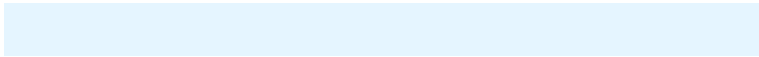
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.8787, 0.3357, 0.3518



89.8787, 0.3151, 0.3514



89.8787, 0.2900, 0.3064



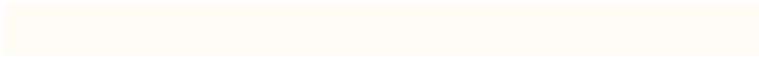
89.8787, 0.3099, 0.3079

# Sweetspot

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



89.8827, 0.3357, 0.3518



97.0418, 0.3189, 0.3353



77.7467, 0.3297, 0.3159



20.6537, 0.3201, 0.3365



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

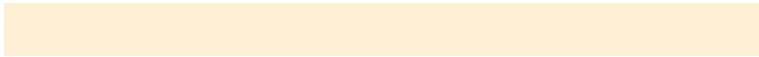


# Same Dimension

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



89.8827, 0.3357, 0.3518



87.9675, 0.3408, 0.3567



96.9612, 0.3308, 0.3644



19.9271, 0.3278, 0.3442



25.1407, 0.5007, 0.4407

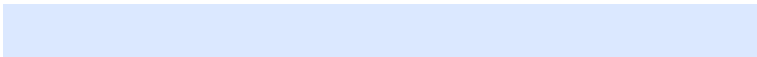


2.6550, 0.4889, 0.4500



# Inverse Universe

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



79.9487, 0.2904, 0.3051



76.2362, 0.2856, 0.2997



73.6888, 0.2931, 0.2917



18.4471, 0.2979, 0.3133



8.0033, 0.1651, 0.1145

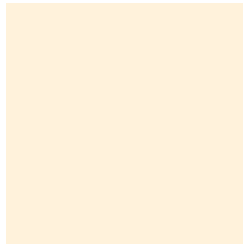


0.9774, 0.1714, 0.1369



# Previews

## White Background



This preview shows how the Yxy color 89.8787, 0.3357, 0.3518 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

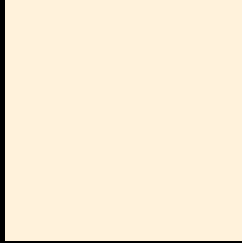
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.8787, 0.3357, 0.3518 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

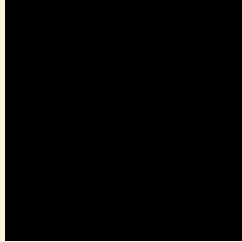
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 89.8787, 0.3357, 0.3518**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.8787, 0.3357, 0.3518.

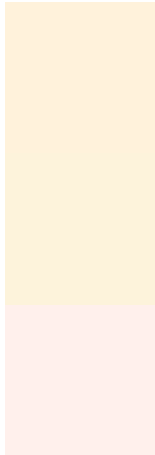


This preview shows how white text looks on a background with the Yxy color 89.8787, 0.3357, 0.3518.

# 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

89.8787, 0.3357, 0.3518

### Protanopia

90.0983, 0.3342, 0.3528

### Deuteranopia

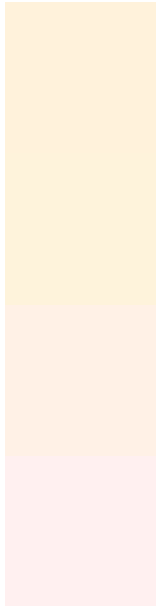
89.6363, 0.3252, 0.3329



## Tritanopia

90.0213, 0.3153, 0.3165

# Trichromacy



## Original Color

89.8787, 0.3357, 0.3518

## Protanomaly

90.2865, 0.3349, 0.3528

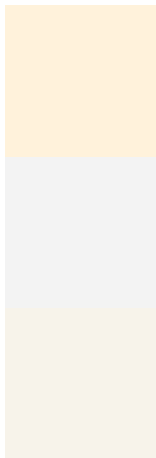
## Deuteranomaly

89.8838, 0.3289, 0.3398

## Tritanomaly

89.8714, 0.3226, 0.3290

# Monochromacy



## Original Color

89.8787, 0.3357, 0.3518

## Achromatopsia

89.6269, 0.3127, 0.3290

## Achromatomaly

89.8159, 0.3208, 0.3380

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.8787, 0.3357, 0.3518 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, 242, 219)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 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, 242, 219) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 219) }
```

## Border

The CSS property to change the border of an element to Yxy 89.8787, 0.3357, 0.3518 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, 242, 219) }
```

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

```
.border{ border-color:rgb(255, 242, 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, 242, 219)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 242, 219); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 242, 219);  
box-shadow:4px 4px 4px 4px rgb(255, 242,  
219) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.8787, 0.3357, 0.3518 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 219) }
```

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

```
.background{ background-color: rgb(255,  
242, 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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