

# Converting Colors

$Yxy(96.4881, 0.3489, 0.3331)$

Have a look what the booklet for  
Yxy(96.4881, 0.3489, 0.3331)  
contains.

<b>Yxy(89.5783, 0.3258, 0.3339)</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(89.5783, 0.3258, 0.3339)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	FFF0EB
RGB	255, 240, 235
RGB Percent	100%, 94%, 92%
CMY	0.0000, 0.0588, 0.0783
CMYK	0.00, 0.06, 0.08, 0.00
HSL	15°, 100%, 96%
HSV	15°, 8%, 100%
XYZ	87.4052, 89.5783, 91.2953
YIQ	243.9150, 10.5450, 1.6250

# Conversions

## Conversions Part 2

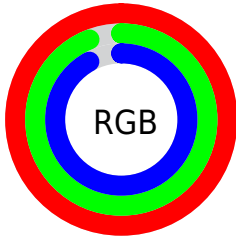
Format	Color
R <sub>Y</sub> B	255, 242, 235
Decimal	16773355
CIE Lab	95.82, 4.23, 4.20
CIE LCh	96, 5.966, 44.784
Yxy	89.5783, 0.3258, 0.3339
Android (android.graphics.Color)	4294963435 (0xFFFFF0EB)
YUV	243.9150, -4.3951, 9.7215
Hunter-Lab	94.6458, -0.7857, 9.0610

# Details

The Yxy color **89.5783, 0.3258, 0.3339** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **93.2728, 0.3006, 0.3240**, and the grayscale version is **90.4236, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.5414, 0.3287, 0.3353** is the 20% darker color. If you saturate the color by 10%, you get **77.5200, 0.3454, 0.3406**, and if you desaturate by 10%, it is **100.0000, 0.3127, 0.3290**.

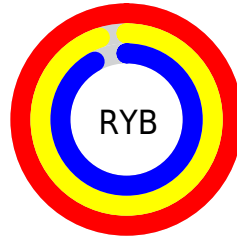
# Distribution



Red (100%)

Green (94%)

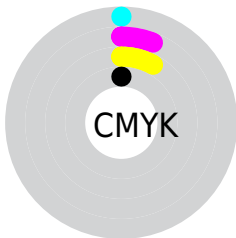
Blue (92%)



Red (100%)

Yellow (95%)

Blue (92%)

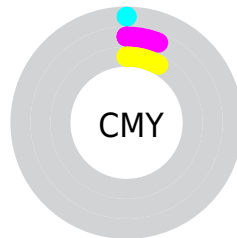


Cyan (0%)

Magenta (6%)

Yellow (8%)

Black (0%)



Cyan (0%)

Magenta (6%)


Yellow (8%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.5783, 0.3258, 0.3339 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 89.5783, 0.3258, 0.3339 by changing the saturation by 10% instead.




 89.5783, 0.3258,  
0.3339

 89.5783, 0.3258,  
0.3339

526.6581, 0.3200,  
0.3318

 67.6309, 0.3271,  
0.3344


146.7525, 0.3238,  
0.3332

 49.5975, 0.3287,  
0.3349

182.7481, 0.3230,  
0.3329

 35.0937, 0.3306,  
0.3356


224.1953, 0.3223,  
0.3326

 23.7351, 0.3331,  
0.3365

271.4784, 0.3217,  
0.3324

 15.1372, 0.3365,  
0.3377

324.9818, 0.3212,  
0.3322

 8.9157, 0.3411,  
0.3392

385.0900, 0.3207,

 4.6863, 0.3480,

0.3321

0.3415

452.1873, 0.3203,  
0.3319

■ 2.0644, 0.3592,  
0.3450

■ 0.6445, 0.4049,  
0.3645

■ 89.5783, 0.3258,  
0.3339

■ 89.5783, 0.3258,  
0.3339

■ 77.5200, 0.3454,  
0.3406

100.0000, 0.3127,  
0.3290

■ 66.8188, 0.3690,  
0.3475

■ 57.4251, 0.3969,  
0.3545

■ 49.2876, 0.4295,  
0.3609

■ 42.3520, 0.4663,  
0.3661

■ 36.5594, 0.5058,  
0.3690

■ 31.8461, 0.5451,  
0.3684

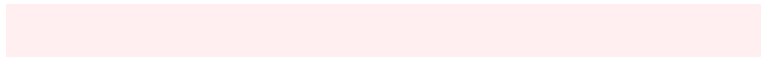
■ 28.1411, 0.5799,  
0.3637

■ 25.3625, 0.6062,  
0.3550

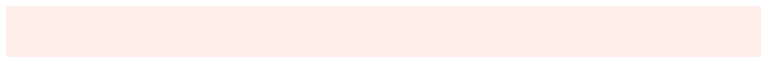
# Harmonies

## Analogous

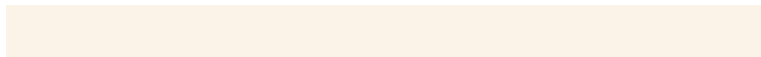
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.5783, 0.3231, 0.3281



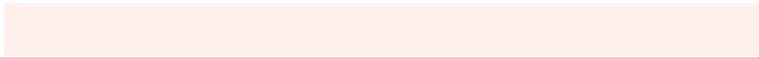
89.5783, 0.3258, 0.3339



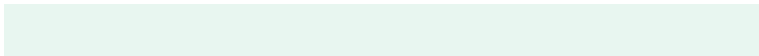
89.5783, 0.3249, 0.3385

# Triad

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



89.5783, 0.3258, 0.3339



89.5783, 0.3077, 0.3356



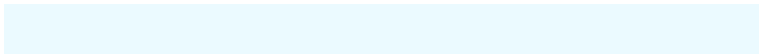
89.5783, 0.3047, 0.3176

# Complementary

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



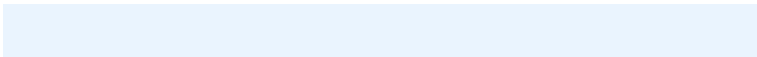
89.5783, 0.3258, 0.3339



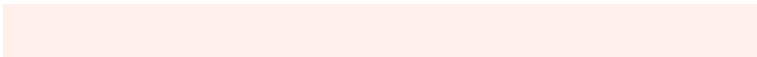
93.2728, 0.3006, 0.3240

# Split Complementary

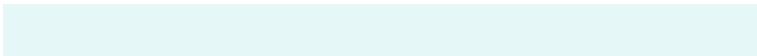
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.5783, 0.3007, 0.3194



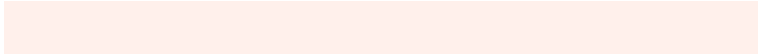
89.5783, 0.3258, 0.3339



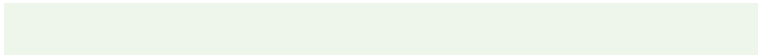
89.5783, 0.3024, 0.3299

# Square

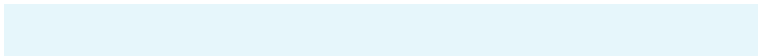
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.5783, 0.3258, 0.3339



89.5783, 0.3144, 0.3396



89.5783, 0.2998, 0.3239



89.5783, 0.3109, 0.3187



# Rectangle

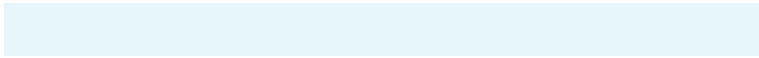
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



89.5783, 0.3258, 0.3339



89.5783, 0.3224, 0.3403



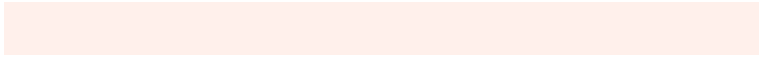
89.5783, 0.2998, 0.3239



89.5783, 0.3030, 0.3179

# Sweetspot

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



89.5767, 0.3258, 0.3339



97.2564, 0.3159, 0.3302



87.6119, 0.3165, 0.3142



20.8457, 0.3157, 0.3302



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

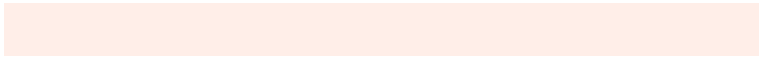


# Same Dimension

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



89.5767, 0.3258, 0.3339



88.1009, 0.3279, 0.3347



95.4270, 0.3249, 0.3432



18.7217, 0.3288, 0.3350



13.1916, 0.6083, 0.3552

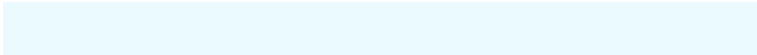


1.4484, 0.5866, 0.3724

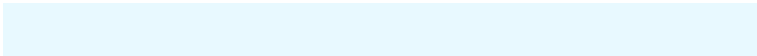


# Inverse Universe

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



93.2728, 0.3006, 0.3240



92.3124, 0.2988, 0.3233



87.4113, 0.3006, 0.3144



19.6703, 0.2980, 0.3229



23.6079, 0.2017, 0.2461

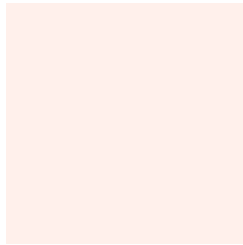


2.4712, 0.2046, 0.2567



# Previews

## White Background



This preview shows how the Yxy color 89.5783, 0.3258, 0.3339 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

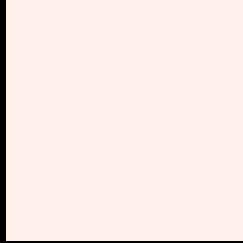
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.5783, 0.3258, 0.3339 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

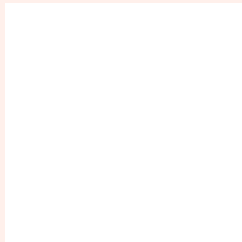
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.5783, 0.3258, 0.3339**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.5783, 0.3258, 0.3339.

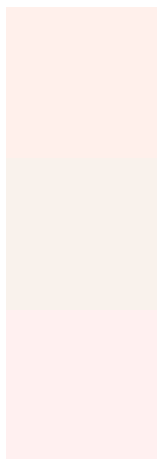


This preview shows how white text looks on a background with the Yxy color 89.5783, 0.3258, 0.3339.

# 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

89.5783, 0.3258, 0.3339

### Protanopia

89.7001, 0.3210, 0.3350

### Deuteranopia

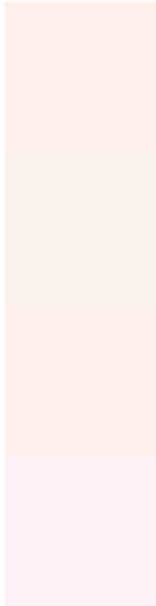
89.8714, 0.3226, 0.3290



## Tritanopia

89.5009, 0.3147, 0.3146

# Trichromacy



## Original Color

89.5783, 0.3258, 0.3339

## Protanomaly

89.4760, 0.3224, 0.3340

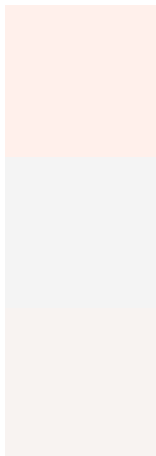
## Deuteranomaly

89.7532, 0.3239, 0.3310

## Tritanomaly

89.6468, 0.3190, 0.3222

# Monochromacy



## Original Color

89.5783, 0.3258, 0.3339

## Achromatopsia

90.4661, 0.3127, 0.3290

## Achromatomaly

90.4085, 0.3172, 0.3310

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.5783, 0.3258, 0.3339 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, 240, 235)` looks like.

```
.text, #text, p{  
    color:rgb(255, 240, 235)  
}
```

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, 240, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 240, 235) }
```

## Border

The CSS property to change the border of an element to Yxy 89.5783, 0.3258, 0.3339 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, 240, 235) }
```

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

```
.border{ border-color:rgb(255, 240, 235) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 240, 235)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 240, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 240, 235);  
box-shadow:4px 4px 4px 4px rgb(255, 240,  
235) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.5783, 0.3258, 0.3339 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 240, 235) }
```

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

```
.background{ background-color: rgb(255,  
240, 235) }
```

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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