

# Converting Colors

$Y_{xy}(89.8460, 0.3276, 0.3375)$

Have a look what the booklet for  
Yxy(89.8460, 0.3276, 0.3375)  
contains.

<b>Yxy(89.9968, 0.3276, 0.3379)</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(89.9968, 0.3276, 0.3379)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF1E8
RGB	255, 241, 232
RGB Percent	100%, 95%, 91%
CMY	0.0000, 0.0548, 0.0903
CMYK	0.00, 0.05, 0.09, 0.00
HSL	24°, 100%, 95%
HSV	24°, 9%, 100%
XYZ	87.2535, 89.9968, 89.0912
YIQ	244.1600, 11.2330, 0.1690

# Conversions

## Conversions Part 2

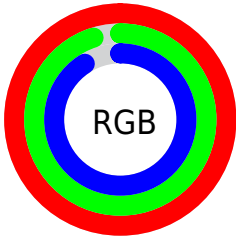
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 247, 232
Decimal	16773608
CIE Lab	96.00, 3.20, 6.03
CIE LCh	96, 6.830, 62.030
Yxy	89.9968, 0.3276, 0.3379
Android (android.graphics.Color)	4294963688 (0xFFFFF1E8)
YUV	244.1600, -5.9949, 9.5067
Hunter-Lab	94.8666, -1.8415, 10.7262

# Details

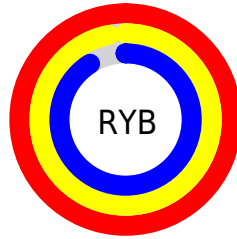
The Yxy color **89.9968, 0.3276, 0.3379** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **90.2466, 0.2987, 0.3199**, and the grayscale version is **90.6437, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.8383, 0.3310, 0.3403** is the 20% darker color. If you saturate the color by 10%, you get **79.8764, 0.3467, 0.3484**, and if you desaturate by 10%, it is **99.9978, 0.3127, 0.3290**.

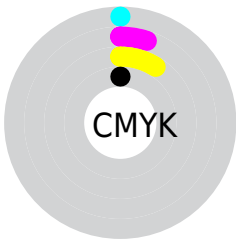
# Distribution



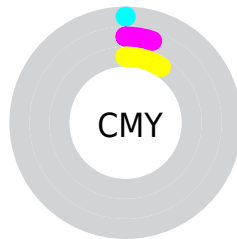
- Red (100%)
- Green (95%)
- Blue (91%)



- Red (100%)
- Yellow (97%)
- Blue (91%)



- Cyan (0%)
- Magenta (5%)
- Yellow (9%)
- Black (0%)




- Cyan (0%)
- Magenta (5%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.9968, 0.3276, 0.3379 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 89.9968, 0.3276, 0.3379 by changing the saturation by 10% instead.




 89.9968, 0.3276,  
0.3379

 89.9968, 0.3276,  
0.3379


528.0204, 0.3210,  
0.3340

 67.9780, 0.3291,  
0.3388

147.3339, 0.3253,  
0.3366

 49.8798, 0.3309,  
0.3398


183.4211, 0.3244,  
0.3360

 35.3179, 0.3331,  
0.3411

224.9664, 0.3237,  
0.3356

 23.9079, 0.3359,  
0.3427

272.3544, 0.3230,  
0.3352

 15.2653, 0.3397,  
0.3449

325.9694, 0.3224,  
0.3348

 9.0058, 0.3449,  
0.3478

386.1958, 0.3219,

 4.7450, 0.3527,

0.3345

0.3520

453.4180, 0.3214,  
0.3342

■ 2.0984, 0.3653,  
0.3587

■ 0.6637, 0.4236,  
0.3966

■ 89.9968, 0.3276,  
0.3379

■ 89.9968, 0.3276,  
0.3379

■ 79.8764, 0.3467,  
0.3484

99.9978, 0.3127,  
0.3290

■ 70.7128, 0.3689,  
0.3592

■ 62.4801, 0.3945,  
0.3700

■ 55.1471, 0.4233,  
0.3801

■ 48.6804, 0.4548,  
0.3886

■ 43.0444, 0.4877,  
0.3942

■ 38.2004, 0.5201,  
0.3955

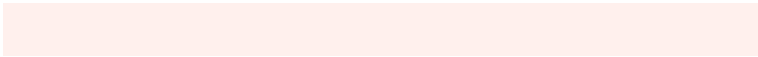
■ 34.1053, 0.5492,  
0.3916

■ 30.7066, 0.5728,  
0.3826

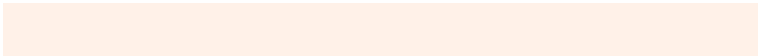
# Harmonies

## Analogous

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



89.9968, 0.3269, 0.3318



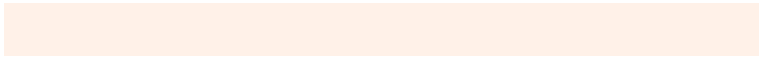
89.9968, 0.3276, 0.3379



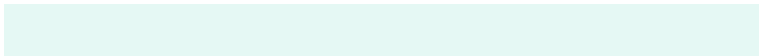
89.9968, 0.3243, 0.3417

# Triad

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



89.9968, 0.3276, 0.3379



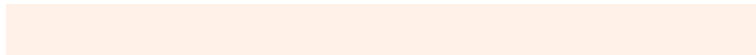
89.9968, 0.3032, 0.3329



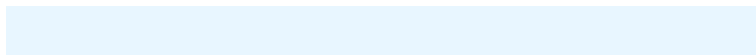
89.9968, 0.3074, 0.3163

# Complementary

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



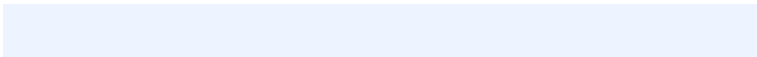
89.9968, 0.3276, 0.3379



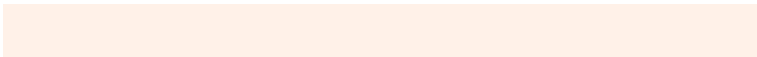
90.2466, 0.2987, 0.3199

# Split Complementary

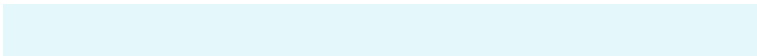
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.9968, 0.3012, 0.3164



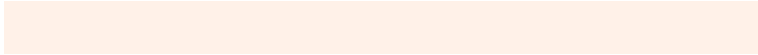
89.9968, 0.3276, 0.3379



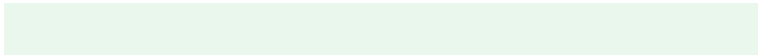
89.9968, 0.2988, 0.3260

# Square

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



89.9968, 0.3276, 0.3379



89.9968, 0.3102, 0.3389



89.9968, 0.2981, 0.3199

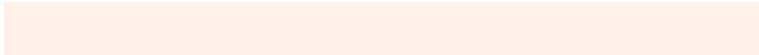


89.9968, 0.3151, 0.3194



# Rectangle

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



89.9968, 0.3276, 0.3379



89.9968, 0.3203, 0.3424



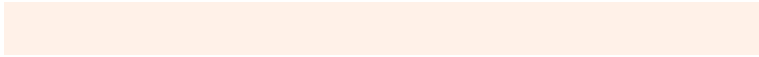
89.9968, 0.2981, 0.3199



89.9968, 0.3051, 0.3159

# Sweetspot

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



90.0007, 0.3276, 0.3379



96.5897, 0.3174, 0.3319



85.6170, 0.3193, 0.3152



20.4824, 0.3187, 0.3327



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

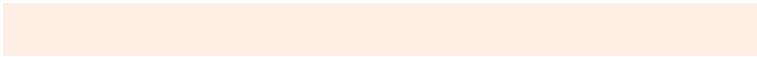


# Same Dimension

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



90.0007, 0.3276, 0.3379



87.9359, 0.3311, 0.3399



96.8933, 0.3265, 0.3487



19.1578, 0.3284, 0.3384



16.1610, 0.5720, 0.3840

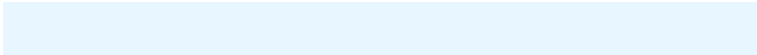


1.7790, 0.5511, 0.4007

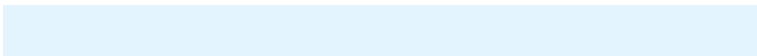


# Inverse Universe

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



90.2466, 0.2987, 0.3199



88.2311, 0.2956, 0.3178



83.5883, 0.2986, 0.3085



19.2130, 0.2979, 0.3194



16.2870, 0.1874, 0.1945

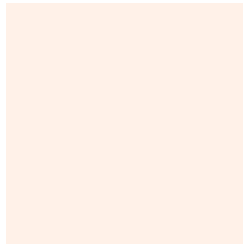


1.7988, 0.1921, 0.2114



# Previews

## White Background



This preview shows how the Yxy color 89.9968, 0.3276, 0.3379 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

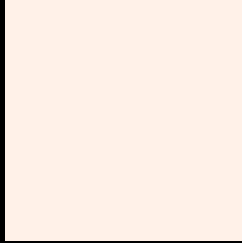
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.9968, 0.3276, 0.3379 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

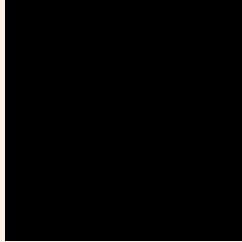
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 89.9968, 0.3276, 0.3379**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.9968, 0.3276, 0.3379.

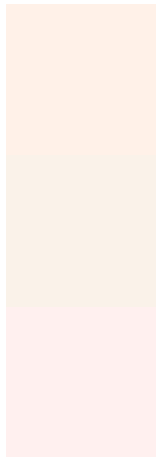


This preview shows how white text looks on a background with the Yxy color 89.9968, 0.3276, 0.3379.

# 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

89.9968, 0.3276, 0.3379

### Protanopia

89.7114, 0.3235, 0.3379

### Deuteranopia

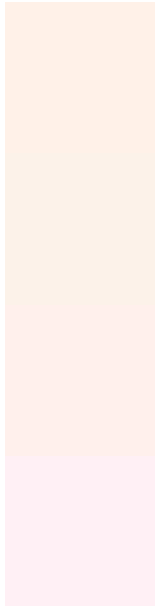
89.8122, 0.3233, 0.3300



## Tritanopia

90.0849, 0.3147, 0.3155

# Trichromacy



## Original Color

89.9968, 0.3276, 0.3379

## Protanomaly

90.0829, 0.3248, 0.3379

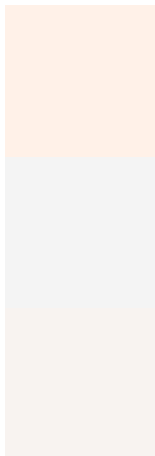
## Deuteranomaly

89.6363, 0.3252, 0.3329

## Tritanomaly

90.1727, 0.3195, 0.3242

# Monochromacy



## Original Color

89.9968, 0.3276, 0.3379

## Achromatopsia

90.4661, 0.3127, 0.3290

## Achromatomaly

90.3489, 0.3178, 0.3320

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.9968, 0.3276, 0.3379 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, 241, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 232)  
}
```

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, 241, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 89.9968, 0.3276, 0.3379 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, 241, 232) }
```

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

```
.border{ border-color:rgb(255, 241, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 241, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.9968, 0.3276, 0.3379 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 232) }
```

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

```
.background{ background-color: rgb(255,  
241, 232) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor