

# Converting Colors

$Yxy(89.9256, 0.3286, 0.3482)$

Have a look what the booklet for  
Yxy(89.9256, 0.3286, 0.3482)  
contains.

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# Color

**Yxy(89.6227, 0.3284, 0.3480)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F9F3E0
RGB	249, 243, 224
RGB Percent	98%, 95%, 88%
CMY	0.0234, 0.0471, 0.1217
CMYK	0.00, 0.02, 0.10, 0.02
HSL	46°, 68%, 93%
HSV	46°, 10%, 98%
XYZ	84.5750, 89.6227, 83.3388
YIQ	242.6280, 9.6750, -4.6370

# Conversions

## Conversions Part 2

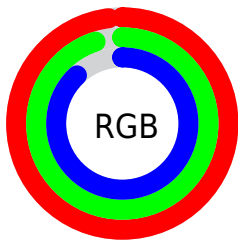
Format	Color
R <sub>Y</sub> B	232, 249, 224
Decimal	16380896
CIE Lab	95.84, -1.15, 9.88
CIE LCh	96, 9.947, 96.645
Yxy	89.6227, 0.3284, 0.3480
Android (android.graphics.Color)	4294570976 (0xFF9F3E0)
YUV	242.6280, -9.1836, 5.5882
Hunter-Lab	94.6693, -6.2041, 14.0746

# Details

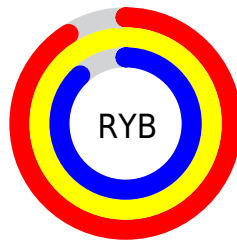
The Yxy color **89.6227, 0.3284, 0.3480** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **79.2733, 0.2970, 0.3093**, and the grayscale version is **89.3887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.7427, 0.3320, 0.3520** is the 20% darker color. If you saturate the color by 10%, you get **84.8477, 0.3453, 0.3677**, and if you desaturate by 10%, it is **94.7203, 0.3128, 0.3291**.

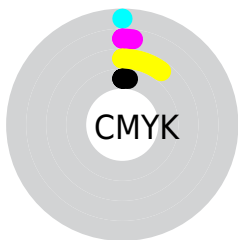
# Distribution



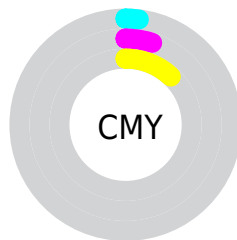
- Red (98%)
- Green (95%)
- Blue (88%)



- Red (91%)
- Yellow (98%)
- Blue (88%)



- Cyan (0%)
- Magenta (2%)
- Yellow (10%)
- Black (2%)




- Cyan (2%)
- Magenta (5%)
- Yellow (12%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.6227, 0.3284, 0.3480 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 89.6227, 0.3284, 0.3480 by changing the saturation by 10% instead.



 89.6227, 0.3284,  
0.3480

 89.6227, 0.3284,  
0.3480


526.8027, 0.3214,  
0.3395

 67.6678, 0.3299,  
0.3499


146.8142, 0.3260,  
0.3451

 49.6275, 0.3318,  
0.3522


182.8195, 0.3251,  
0.3440

 35.1175, 0.3341,  
0.3550


224.2771, 0.3243,  
0.3430

 23.7534, 0.3371,  
0.3586

271.5714, 0.3236,  
0.3421

 15.1508, 0.3410,  
0.3634

325.0867, 0.3229,  
0.3414

 8.9253, 0.3464,  
0.3701

385.2074, 0.3224,

 4.6925, 0.3542,

0.3407

0.3799

452.3180, 0.3219,  
0.3401

2.0680, 0.3667,  
0.3957

0.6465, 0.4706,  
0.5188

89.6227, 0.3284,  
0.3480

89.6227, 0.3284,  
0.3480

84.8477, 0.3453,  
0.3677

94.7203, 0.3128,  
0.3291

80.3738, 0.3632,  
0.3876

98.8691, 0.3090,  
0.3290

76.1946, 0.3818,  
0.4072

98.8845, 0.3090,  
0.3290

72.2992, 0.4006,  
0.4254

■ 68.6754, 0.4188,  
0.4414

■ 65.3098, 0.4356,  
0.4540

■ 62.1874, 0.4501,  
0.4623

■ 59.2902, 0.4617,  
0.4656

■ 56.6057, 0.4704,  
0.4647

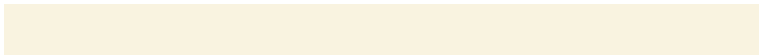
# Harmonies

## Analogous

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



89.6227, 0.3341, 0.3430



89.6227, 0.3284, 0.3480



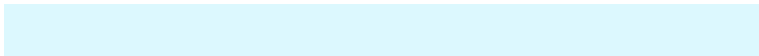
89.6227, 0.3185, 0.3478

# Triad

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



89.6227, 0.3284, 0.3480



89.6227, 0.2919, 0.3229



89.6227, 0.3179, 0.3162

# Complementary

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



89.6227, 0.3284, 0.3480



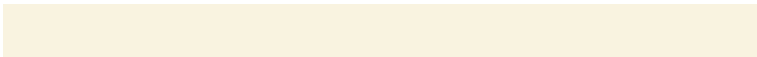
79.2733, 0.2970, 0.3093

# Split Complementary

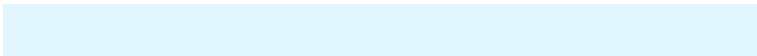
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.6227, 0.3066, 0.3110



89.6227, 0.3284, 0.3480



89.6227, 0.2918, 0.3146

# Square

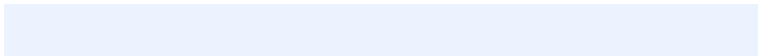
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.6227, 0.3284, 0.3480



89.6227, 0.2976, 0.3331



89.6227, 0.2971, 0.3103



89.6227, 0.3280, 0.3247



# Rectangle

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



89.6227, 0.3284, 0.3480



89.6227, 0.3110, 0.3447



89.6227, 0.2971, 0.3103



89.6227, 0.3142, 0.3140

# Sweetspot

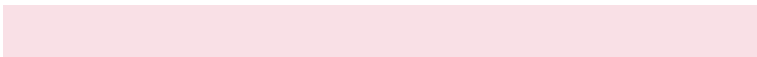
The Sweet Spot groups the original color and five complimentary colors.



89.6266, 0.3284, 0.3480



98.3491, 0.3173, 0.3346



79.1652, 0.3263, 0.3227



20.9574, 0.3185, 0.3361



0.0000, 0.0000, 0.0000

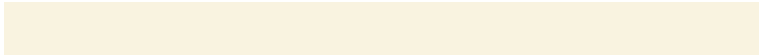


21.4041, 0.3127, 0.3290

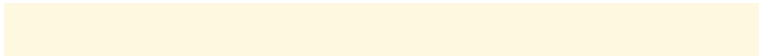


# Same Dimension

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



89.6266, 0.3284, 0.3480



93.5790, 0.3316, 0.3518



92.1597, 0.3236, 0.3542



19.4420, 0.3275, 0.3469



30.5251, 0.4694, 0.4655



2.9906, 0.4621, 0.4712



# Inverse Universe

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



79.2733, 0.2970, 0.3093



80.7078, 0.2938, 0.3051



76.9972, 0.3011, 0.3032



17.3205, 0.2979, 0.3104



5.5661, 0.1574, 0.0867

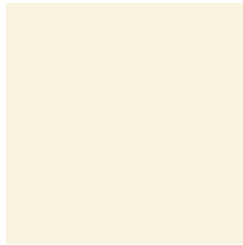


0.6727, 0.1635, 0.1084



# Previews

## White Background



This preview shows how the Yxy color 89.6227, 0.3284, 0.3480 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

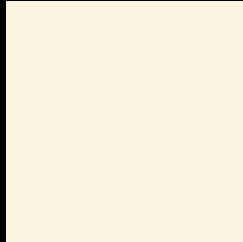
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.6227, 0.3284, 0.3480 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

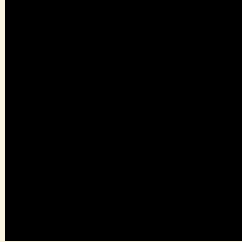
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 89.6227, 0.3284, 0.3480**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.6227, 0.3284, 0.3480.

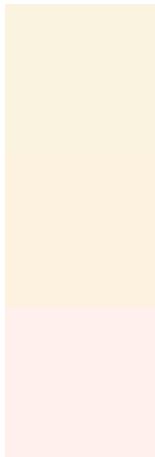


This preview shows how white text looks on a background with the Yxy color 89.6227, 0.3284, 0.3480.

# 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

89.6227, 0.3284, 0.3480

### Protanopia

89.5274, 0.3311, 0.3479

### Deuteranopia

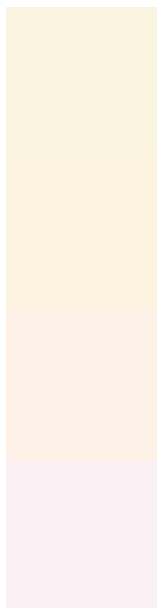
89.6946, 0.3245, 0.3320



## Tritanopia

89.6485, 0.3115, 0.3135

# Trichromacy



## Original Color

89.6227, 0.3284, 0.3480

## Protanomaly

89.3412, 0.3305, 0.3479

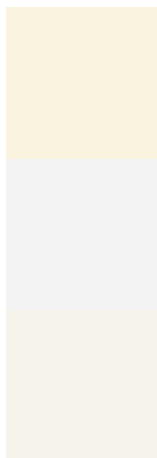
## Deuteranomaly

89.6194, 0.3262, 0.3379

## Tritanomaly

89.3611, 0.3175, 0.3251

# Monochromacy



## Original Color

89.6227, 0.3284, 0.3480

## Achromatopsia

89.6269, 0.3127, 0.3290

## Achromatomaly

89.5698, 0.3183, 0.3360

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.6227, 0.3284, 0.3480 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(249, 243, 224) looks like.

```
.text, #text, p{  
    color:rgb(249, 243, 224)  
}
```

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(249, 243, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 243, 224) }
```

## Border

The CSS property to change the border of an element to Yxy 89.6227, 0.3284, 0.3480 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(249, 243, 224) }
```

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

```
.border{ border-color:rgb(249, 243, 224) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 243, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 243, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 243, 224);  
box-shadow:4px 4px 4px 4px rgb(249, 243,  
224) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.6227, 0.3284, 0.3480 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 243, 224) }
```

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

```
.background{ background-color: rgb(249,  
243, 224) }
```

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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