

# Converting Colors

$Yxy(89.8703, 0.3221, 0.3462)$

Have a look what the booklet for  
Yxy(89.8703, 0.3221, 0.3462)  
contains.

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# Color

**Yxy(89.9609, 0.3217, 0.3461)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3F5E4
RGB	243, 245, 228
RGB Percent	95%, 96%, 89%
CMY	0.0470, 0.0392, 0.1059
CMYK	0.01, 0.00, 0.07, 0.04
HSL	67°, 46%, 93%
HSV	67°, 7%, 96%
XYZ	83.6187, 89.9609, 86.3479
YIQ	242.4640, 4.2650, -5.7110

# Conversions

## Conversions Part 2

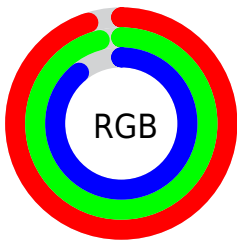
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	228, 245, 230
Decimal	15988196
CIE Lab	95.98, -3.58, 7.95
CIE LCh	96, 8.714, 114.228
Yxy	89.9609, 0.3217, 0.3461
Android (android.graphics.Color)	4294178276 (0xFFFF3F5E4)
YUV	242.4640, -7.1308, 0.4701
Hunter-Lab	94.8477, -8.6162, 12.4167

# Details

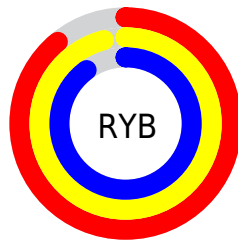
The Yxy color **89.9609, 0.3217, 0.3461** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **78.8957, 0.3034, 0.3115**, and the grayscale version is **89.2377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.9771, 0.3234, 0.3496** is the 20% darker color. If you saturate the color by 10%, you get **88.1915, 0.3349, 0.3716**, and if you desaturate by 10%, it is **91.9390, 0.3088, 0.3217**.

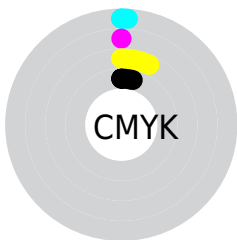
# Distribution



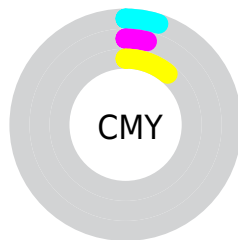
- Red (95%)
- Green (96%)
- Blue (89%)



- Red (89%)
- Yellow (96%)
- Blue (90%)



- Cyan (1%)
- Magenta (0%)
- Yellow (7%)
- Black (4%)




- Cyan (5%)
- Magenta (4%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.9609, 0.3217, 0.3461 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 89.9609, 0.3217, 0.3461 by changing the saturation by 10% instead.




 89.9609, 0.3217,  
0.3461

 89.9609, 0.3217,  
0.3461

527.9037, 0.3177,  
0.3384

 67.9482, 0.3226,  
0.3478

147.2841, 0.3204,  
0.3435

 49.8556, 0.3236,  
0.3499

183.3634, 0.3198,  
0.3425

 35.2987, 0.3249,  
0.3525


224.9003, 0.3194,  
0.3416

 23.8930, 0.3266,  
0.3558

272.2793, 0.3189,  
0.3408

 15.2543, 0.3288,  
0.3602

325.8847, 0.3186,  
0.3401

 8.9981, 0.3318,  
0.3663

386.1010, 0.3183,

 4.7399, 0.3361,

0.3395

0.3755

453.3125, 0.3180,  
0.3389

■ 2.0955, 0.3430,  
0.3905

■ 0.6621, 0.3958,  
0.4835

■ 89.9609, 0.3217,  
0.3461

■ 89.9609, 0.3217,  
0.3461

■ 88.1915, 0.3349,  
0.3716

■ 91.9390, 0.3088,  
0.3217

■ 86.6109, 0.3481,  
0.3977

■ 92.6232, 0.3092,  
0.3193

■ 85.2143, 0.3607,  
0.4235

■ 93.1550, 0.3110,  
0.3194

■ 83.9925, 0.3724,  
0.4481

■ 93.6949, 0.3129,  
0.3194

■ 82.9351, 0.3824,  
0.4704

■ 93.7877, 0.3132,  
0.3194

■ 82.0309, 0.3903,  
0.4894

■ 81.2670, 0.3957,  
0.5042

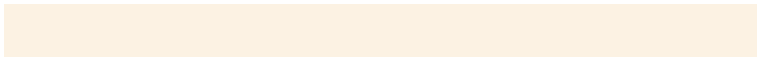
■ 80.6284, 0.3984,  
0.5145

■ 80.0957, 0.3987,  
0.5205

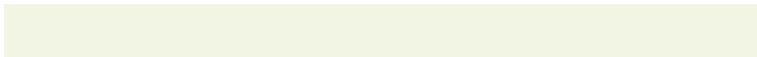
# Harmonies

## Analogous

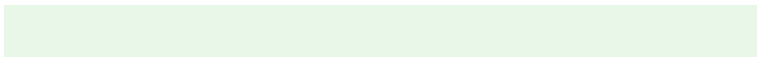
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.9609, 0.3291, 0.3443



89.9609, 0.3217, 0.3461



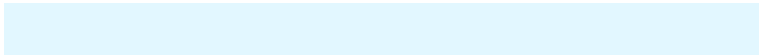
89.9609, 0.3120, 0.3431

# Triad

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



89.9609, 0.3217, 0.3461



89.9609, 0.2938, 0.3191



89.9609, 0.3228, 0.3219

# Complementary

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



89.9609, 0.3217, 0.3461



78.8957, 0.3034, 0.3115

# Split Complementary

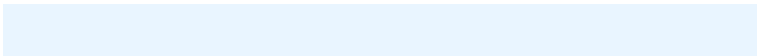
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.9609, 0.3132, 0.3154



89.9609, 0.3217, 0.3461



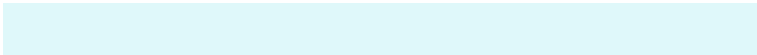
89.9609, 0.2966, 0.3137

# Square

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



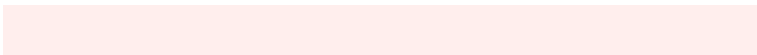
89.9609, 0.3217, 0.3461



89.9609, 0.2960, 0.3274



89.9609, 0.3036, 0.3124



89.9609, 0.3297, 0.3303



# Rectangle

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



89.9609, 0.3217, 0.3461



89.9609, 0.3056, 0.3389



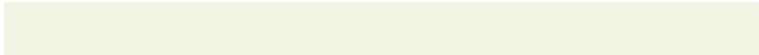
89.9609, 0.3036, 0.3124



89.9609, 0.3197, 0.3195

# Sweetspot

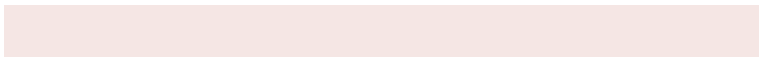
The Sweet Spot groups the original color and five complimentary colors.



89.9648, 0.3217, 0.3461



99.5625, 0.3153, 0.3339



81.5945, 0.3244, 0.3310



21.3151, 0.3152, 0.3336



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.



89.9648, 0.3217, 0.3461



98.3038, 0.3231, 0.3488



88.4881, 0.3161, 0.3464



19.2091, 0.3250, 0.3525



43.1059, 0.3988, 0.5215



3.8160, 0.4015, 0.5194



# Inverse Universe

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



78.8957, 0.3034, 0.3115



84.4114, 0.3019, 0.3086



80.3355, 0.3091, 0.3118



16.0198, 0.2997, 0.3046



3.7204, 0.1542, 0.0623

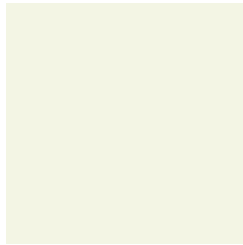


0.3566, 0.1624, 0.0668



# Previews

## White Background



This preview shows how the Yxy color 89.9609, 0.3217, 0.3461 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

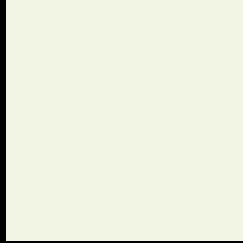
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.9609, 0.3217, 0.3461 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

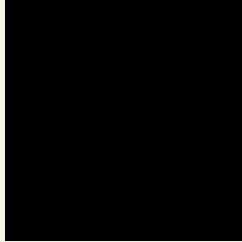
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

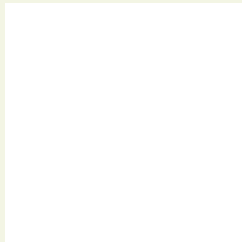
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.9609, 0.3217, 0.3461**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.9609, 0.3217, 0.3461.

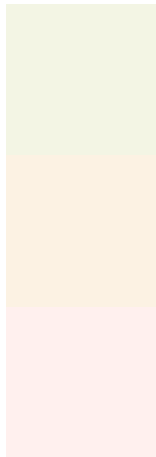


This preview shows how white text looks on a background with the Yxy color 89.9609, 0.3217, 0.3461.

# 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

89.9609, 0.3217, 0.3461

### Protanopia

89.7458, 0.3286, 0.3439

### Deuteranopia

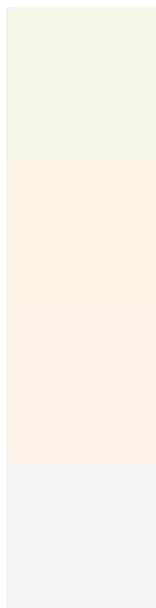
89.7532, 0.3239, 0.3310



## Tritanopia

89.7234, 0.3075, 0.3153

# Trichromacy



## Original Color

89.9609, 0.3217, 0.3461

## Protanomaly

89.7870, 0.3265, 0.3449

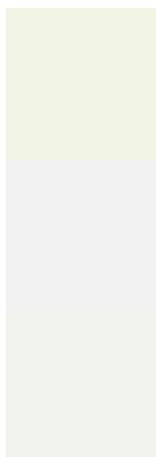
## Deuteranomaly

89.9540, 0.3236, 0.3369

## Tritanomaly

89.5093, 0.3129, 0.3260

# Monochromacy



## Original Color

89.9609, 0.3217, 0.3461

## Achromatopsia

88.7923, 0.3127, 0.3290

## Achromatomaly

89.0929, 0.3157, 0.3350

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.9609, 0.3217, 0.3461 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(243, 245, 228)` looks like.

```
.text, #text, p{  
    color:rgb(243, 245, 228)  
}
```

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(243, 245, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 245, 228) }
```

## Border

The CSS property to change the border of an element to Yxy 89.9609, 0.3217, 0.3461 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(243, 245, 228) }
```

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

```
.border{ border-color:rgb(243, 245, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(243, 245, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 245, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 245, 228);  
box-shadow:4px 4px 4px 4px rgb(243, 245,  
228) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.9609, 0.3217, 0.3461 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 245, 228) }
```

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

```
.background{ background-color: rgb(243,  
245, 228) }
```

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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