

# Converting Colors

$Y_{xy}(90.6912, 0.3210, 0.3426)$

Have a look what the booklet for  
Yxy(90.6912, 0.3210, 0.3426)  
contains.

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# **Color**

**Yxy(90.5435, 0.3206, 0.3420)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5F5E8
RGB	245, 245, 232
RGB Percent	96%, 96%, 91%
CMY	0.0391, 0.0392, 0.0903
CMYK	0.00, 0.00, 0.05, 0.04
HSL	60°, 40%, 94%
HSV	60°, 5%, 96%
XYZ	84.8779, 90.5435, 89.3257
YIQ	243.5180, 4.1730, -4.0430

# Conversions

## Conversions Part 2

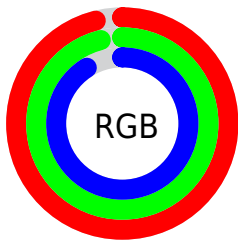
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	232, 245, 232
Decimal	16119272
CIE Lab	96.22, -2.22, 6.26
CIE LCh	96, 6.642, 109.553
Yxy	90.5435, 0.3206, 0.3420
Android (android.graphics.Color)	4294309352 (0xFF5F5E8)
YUV	243.5180, -5.6784, 1.2997
Hunter-Lab	95.1543, -7.2977, 10.9499

# Details

The Yxy color 90.5435, 0.3206, 0.3420 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 81.4596, 0.3046, 0.3157, and the grayscale version is 90.1097, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 50.3486, 0.3228, 0.3456 is the 20% darker color. If you saturate the color by 10%, you get 89.2188, 0.3358, 0.3670, and if you desaturate by 10%, it is 91.9747, 0.3068, 0.3193.

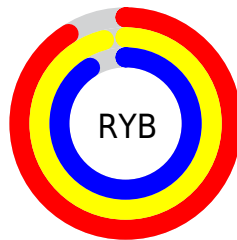
# Distribution



Red (96%)

Green (96%)

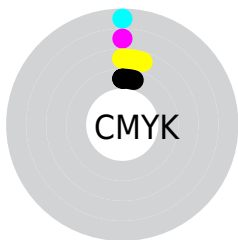
Blue (91%)



Red (91%)

Yellow (96%)

Blue (91%)

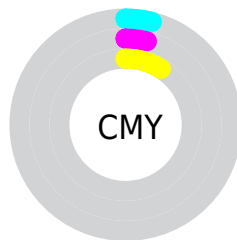


Cyan (0%)

Magenta (0%)

Yellow (5%)

Black (4%)



Cyan (4%)

Magenta (4%)


Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.5435, 0.3206, 0.3420 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 90.5435, 0.3206, 0.3420 by changing the saturation by 10% instead.




 90.5435, 0.3206,  
0.3420

 90.5435, 0.3206,  
0.3420


529.7973, 0.3171,  
0.3362

 68.4315, 0.3214,  
0.3433


148.0931, 0.3194,  
0.3400

 50.2489, 0.3223,  
0.3448


184.2995, 0.3189,  
0.3392

 35.6112, 0.3235,  
0.3468


225.9729, 0.3185,  
0.3386

 24.1341, 0.3249,  
0.3493

273.4975, 0.3182,  
0.3380

 15.4331, 0.3269,  
0.3526

327.2579, 0.3179,  
0.3375

 9.1239, 0.3295,  
0.3572

387.6384, 0.3176,

 4.8221, 0.3334,

0.3370

0.3640

455.0234, 0.3173,  
0.3366

■ 2.1433, 0.3396,  
0.3751

■ 0.6888, 0.3749,  
0.4301

■ 90.5435, 0.3206,  
0.3420

■ 90.5435, 0.3206,  
0.3420

■ 89.2188, 0.3358,  
0.3670

■ 91.9747, 0.3068,  
0.3193

■ 88.0764, 0.3511,  
0.3923

■ 92.0067, 0.3068,  
0.3193


■ 87.1116, 0.3661,  
0.4169


■ 92.0387, 0.3068,  
0.3194

■ 86.3151, 0.3801,  
0.4401


■ 92.0707, 0.3068,  
0.3194

 85.6771, 0.3926,  
0.4607

 92.1027, 0.3068,  
0.3195


 85.1863, 0.4031,  
0.4778


 92.1347, 0.3068,  
0.3195


 84.8303, 0.4110,  
0.4908

 92.1668, 0.3068,  
0.3196

 84.5944, 0.4163,  
0.4994

 92.1988, 0.3068,  
0.3197

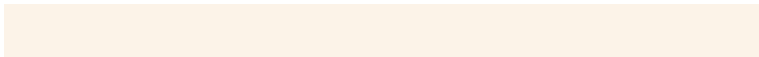
 84.4606, 0.4190,  
0.5039

 92.2308, 0.3068,  
0.3197

# Harmonies

## Analogous

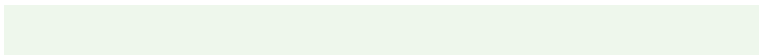
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5435, 0.3257, 0.3402



90.5435, 0.3206, 0.3420



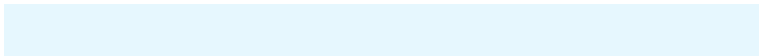
90.5435, 0.3134, 0.3403

# Triad

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



90.5435, 0.3206, 0.3420



90.5435, 0.2983, 0.3224



90.5435, 0.3193, 0.3227

# Complementary

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



90.5435, 0.3206, 0.3420



81.4596, 0.3046, 0.3157

# Split Complementary

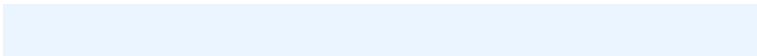
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.5435, 0.3119, 0.3181



90.5435, 0.3206, 0.3420



90.5435, 0.2998, 0.3178

# Square

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



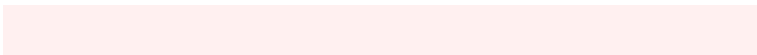
90.5435, 0.3206, 0.3420



90.5435, 0.3006, 0.3289



90.5435, 0.3048, 0.3163



90.5435, 0.3250, 0.3290

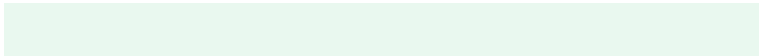


# Rectangle

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



90.5435, 0.3206, 0.3420



90.5435, 0.3084, 0.3373



90.5435, 0.3048, 0.3163



90.5435, 0.3169, 0.3209

# Sweetspot

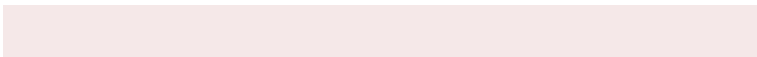
The Sweet Spot groups the original color and five complimentary colors.



90.5474, 0.3206, 0.3420



99.6688, 0.3157, 0.3339



82.9528, 0.3215, 0.3288



21.3367, 0.3155, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

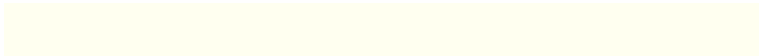


# Same Dimension

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



90.5474, 0.3206, 0.3420



99.0324, 0.3216, 0.3437



89.4486, 0.3165, 0.3422



19.3909, 0.3226, 0.3452



45.4699, 0.4197, 0.5050



3.9983, 0.4196, 0.5050



# Inverse Universe

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



81.4596, 0.3046, 0.3157



87.8559, 0.3035, 0.3139



82.5186, 0.3088, 0.3158



16.9822, 0.3025, 0.3122



3.5603, 0.1501, 0.0601

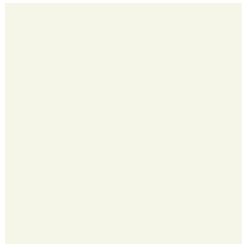


0.3149, 0.1501, 0.0605



# Previews

## White Background



This preview shows how the Yxy color 90.5435, 0.3206, 0.3420 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

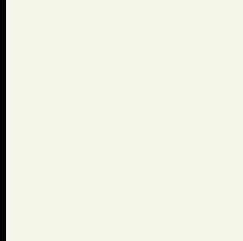
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.5435, 0.3206, 0.3420 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

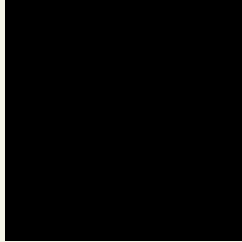
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

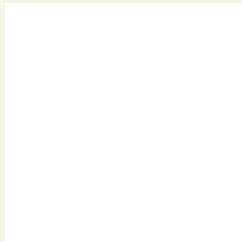
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 90.5435, 0.3206, 0.3420**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.5435, 0.3206, 0.3420.

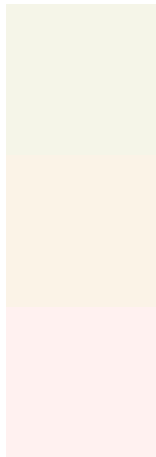


This preview shows how white text looks on a background with the Yxy color 90.5435, 0.3206, 0.3420.

# 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

90.5435, 0.3206, 0.3420

### Protanopia

90.3799, 0.3253, 0.3409

### Deuteranopia

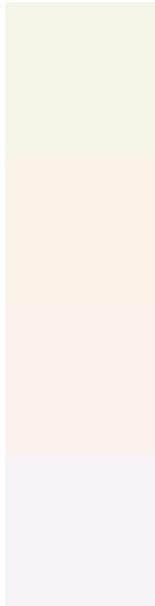
90.4619, 0.3226, 0.3300



## Tritanopia

90.6807, 0.3088, 0.3164

# Trichromacy



## Original Color

90.5435, 0.3206, 0.3420

## Protanomaly

90.6106, 0.3239, 0.3419

## Deuteranomaly

90.1279, 0.3217, 0.3339

## Tritanomaly

90.5907, 0.3129, 0.3251

# Monochromacy



## Original Color

90.5435, 0.3206, 0.3420

## Achromatopsia

90.4661, 0.3127, 0.3290

## Achromatomaly

90.2257, 0.3151, 0.3330

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.5435, 0.3206, 0.3420 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(245, 245, 232)` looks like.

```
.text, #text, p{  
    color:rgb(245, 245, 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(245, 245, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 245, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 90.5435, 0.3206, 0.3420 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(245, 245, 232) }
```

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

```
.border{ border-color:rgb(245, 245, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 245, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 245, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 245, 232);  
box-shadow:4px 4px 4px 4px rgb(245, 245,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.5435, 0.3206, 0.3420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 245, 232) }
```

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

```
.background{ background-color: rgb(245,  
245, 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](#).

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