

# Converting Colors

$Y_{xy}(95.0278, 0.3238, 0.3470)$

Have a look what the booklet for  
Yxy(95.0278, 0.3238, 0.3470)  
contains.

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# Color

**Yxy(95.3298, 0.3240, 0.3476)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FBFB E8
RGB	251, 251, 232
RGB Percent	98%, 98%, 91%
CMY	0.0155, 0.0157, 0.0902
CMYK	0.00, 0.00, 0.08, 0.02
HSL	60°, 71%, 95%
HSV	60°, 8%, 98%
XYZ	88.8575, 95.3298, 90.0642
YIQ	248.8340, 6.0990, -5.9090

# Conversions

## Conversions Part 2

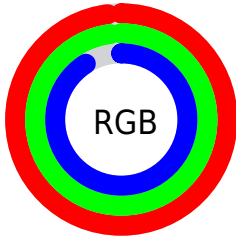
Format	Color
R <sub>Y</sub> B	232, 251, 232
Decimal	16514024
CIE Lab	98.17, -3.19, 9.10
CIE LCh	98, 9.638, 109.327
Yxy	95.3298, 0.3240, 0.3476
Android (android.graphics.Color)	4294704104 (0xFFFBFB E8)
YUV	248.8340, -8.2992, 1.8996
Hunter-Lab	97.6370, -8.4154, 13.6545

# Details

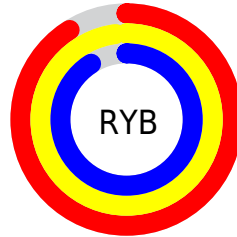
The Yxy color 95.3298, 0.3240, 0.3476 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 81.8676, 0.3010, 0.3097, and the grayscale version is 94.6610, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 53.6341, 0.3262, 0.3527 is the 20% darker color. If you saturate the color by 10%, you get 93.9687, 0.3393, 0.3728, and if you desaturate by 10%, it is 96.7663, 0.3104, 0.3252.

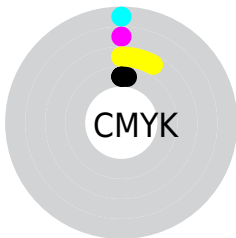
# Distribution



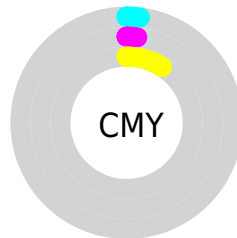
- Red (98%)
- Green (98%)
- Blue (91%)



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



- Cyan (0%)
- Magenta (0%)
- Yellow (8%)
- Black (2%)




- Cyan (2%)
- Magenta (2%)
- Yellow (9%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.3298, 0.3240, 0.3476 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 95.3298, 0.3240, 0.3476 by changing the saturation by 10% instead.



 95.3298, 0.3240,  
0.3476

 95.3298, 0.3240,  
0.3476

545.2203, 0.3191,  
0.3394

 72.4095, 0.3251,  
0.3494


154.7202, 0.3223,  
0.3448

 53.4933, 0.3264,  
0.3516

191.9590, 0.3217,  
0.3437

 38.1967, 0.3280,  
0.3543


234.7395, 0.3211,  
0.3427

 26.1354, 0.3300,  
0.3578

283.4460, 0.3206,  
0.3419

 16.9249, 0.3326,  
0.3624

338.4629, 0.3201,  
0.3411

 10.1810, 0.3362,  
0.3686

400.1747, 0.3197,

 5.5191, 0.3413,

0.3405

0.3778

468.9657, 0.3194,  
0.3399

■ 2.5550, 0.3493,  
0.3924

■ 0.9041, 0.3842,  
0.4445

■ 95.3298, 0.3240,  
0.3476

■ 95.3298, 0.3240,  
0.3476

■ 93.9687, 0.3393,  
0.3728

■ 96.7663, 0.3104,  
0.3252

■ 92.7987, 0.3546,  
0.3980


■ 96.8052, 0.3104,  
0.3253


■ 91.8147, 0.3694,  
0.4224

■ 96.8441, 0.3104,  
0.3253


■ 91.0067, 0.3832,  
0.4451


■ 96.8831, 0.3104,  
0.3254

 90.3639, 0.3953,  
0.4650


 96.9220, 0.3104,  
0.3255


 89.8741, 0.4052,  
0.4812


 96.9610, 0.3104,  
0.3255


 89.5237, 0.4125,  
0.4932

 97.0000, 0.3104,  
0.3256

 89.2965, 0.4172,  
0.5008

 97.0390, 0.3104,  
0.3256

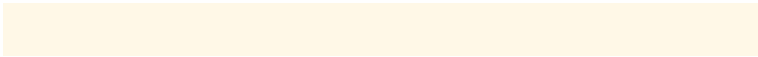
 89.1712, 0.4194,  
0.5044

 97.0780, 0.3104,  
0.3257

# Harmonies

## Analogous

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



95.3298, 0.3313, 0.3448



95.3298, 0.3240, 0.3476



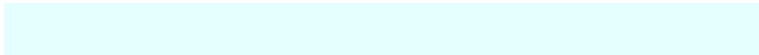
95.3298, 0.3137, 0.3452

# Triad

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



95.3298, 0.3240, 0.3476



95.3298, 0.2923, 0.3196



95.3298, 0.3220, 0.3200

# Complementary

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



95.3298, 0.3240, 0.3476



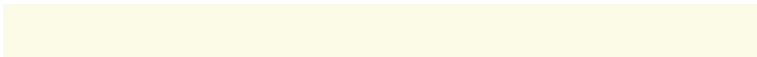
81.8676, 0.3010, 0.3097

# Split Complementary

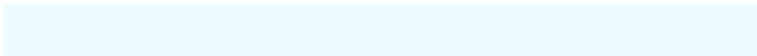
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.3298, 0.3114, 0.3135



95.3298, 0.3240, 0.3476



95.3298, 0.2944, 0.3131

# Square

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



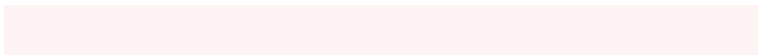
95.3298, 0.3240, 0.3476



95.3298, 0.2955, 0.3288



95.3298, 0.3013, 0.3110



95.3298, 0.3302, 0.3289



# Rectangle

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



95.3298, 0.3240, 0.3476



95.3298, 0.3066, 0.3410



95.3298, 0.3013, 0.3110



95.3298, 0.3186, 0.3175

# Sweetspot

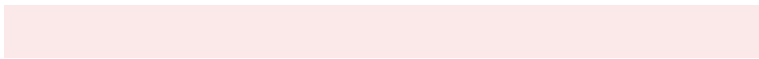
The Sweet Spot groups the original color and five complimentary colors.



95.3340, 0.3240, 0.3476



99.6678, 0.3157, 0.3339



84.0780, 0.3256, 0.3287



21.3365, 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.



95.3340, 0.3240, 0.3476



98.5727, 0.3262, 0.3512



93.6957, 0.3181, 0.3480



20.1830, 0.3269, 0.3524



46.8462, 0.4198, 0.5049



4.3411, 0.4197, 0.5050



# Inverse Universe

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



81.8676, 0.3010, 0.3097



82.1576, 0.2987, 0.3058



83.4213, 0.3070, 0.3100



16.6499, 0.2979, 0.3045



3.6713, 0.1501, 0.0602

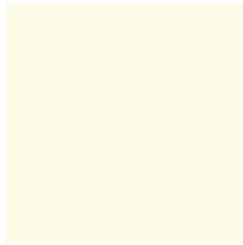


0.3424, 0.1502, 0.0605



# Previews

## White Background



This preview shows how the Yxy color 95.3298, 0.3240, 0.3476 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

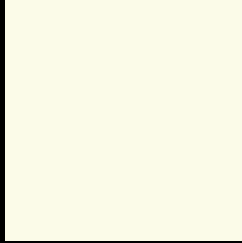
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.3298, 0.3240, 0.3476 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

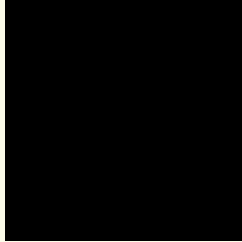
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 95.3298, 0.3240, 0.3476**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.3298, 0.3240, 0.3476.

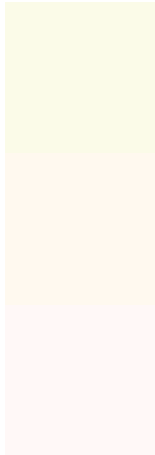


This preview shows how white text looks on a background with the Yxy color 95.3298, 0.3240, 0.3476.

# 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

95.3298, 0.3240, 0.3476

### Protanopia

95.2434, 0.3225, 0.3387

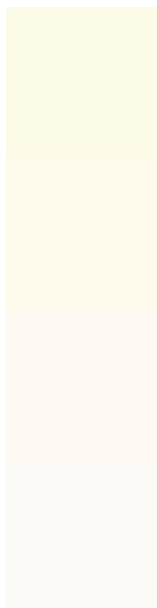
### Deuteranopia

95.1102, 0.3178, 0.3300

## Tritanopia

95.6668, 0.3111, 0.3232

# Trichromacy



## Original Color

95.3298, 0.3240, 0.3476

## Protanomaly

95.4982, 0.3236, 0.3426

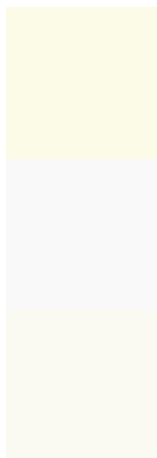
## Deuteranomaly

95.2330, 0.3201, 0.3358

## Tritanomaly

95.7821, 0.3157, 0.3319

# Monochromacy



## Original Color

95.3298, 0.3240, 0.3476

## Achromatopsia

94.7307, 0.3127, 0.3290

## Achromatomaly

95.1663, 0.3168, 0.3358

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.3298, 0.3240, 0.3476 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(251, 251, 232)` looks like.

```
.text, #text, p{  
    color:rgb(251, 251, 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(251, 251, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(251, 251, 232) }
```

## Border

The CSS property to change the border of an element to Yxy 95.3298, 0.3240, 0.3476 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(251, 251, 232) }
```

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

```
.border{ border-color:rgb(251, 251, 232) }
```

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

Here you see how a box with a 4 pixel rgb(251, 251, 232) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(251, 251, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(251, 251, 232);  
box-shadow:4px 4px 4px 4px rgb(251, 251,  
232) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.3298, 0.3240, 0.3476 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(251, 251, 232) }
```

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

```
.background{ background-color: rgb(251,  
251, 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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