

# Converting Colors

$Y_{xy}(84.1275, 0.3279, 0.3507)$

Have a look what the booklet for  
Yxy(84.1275, 0.3279, 0.3507)  
contains.

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# Color

**Yxy(84.0515, 0.3280, 0.3506)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0EDD8
RGB	240, 237, 216
RGB Percent	94%, 93%, 85%
CMY	0.0585, 0.0707, 0.1529
CMYK	0.00, 0.01, 0.10, 0.06
HSL	52°, 45%, 89%
HSV	52°, 10%, 94%
XYZ	78.6335, 84.0515, 77.0512
YIQ	235.5030, 8.5290, -5.8950

# Conversions

## Conversions Part 2

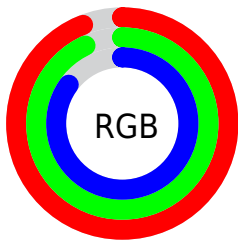
Format	Color
R <sub>Y</sub> B	219, 240, 216
Decimal	15789528
CIE Lab	93.47, -2.48, 10.52
CIE LCh	93, 10.810, 103.284
Yxy	84.0515, 0.3280, 0.3506
Android (android.graphics.Color)	4293979608 (0xFFFF0EDD8)
YUV	235.5030, -9.6150, 3.9439
Hunter-Lab	91.6796, -7.3401, 14.3460

# Details

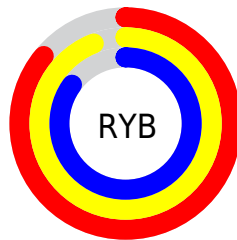
The Yxy color **84.0515, 0.3280, 0.3506** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **71.6129, 0.2971, 0.3064**, and the grayscale version is **83.5609, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **45.8113, 0.3316, 0.3556** is the 20% darker color. If you saturate the color by 10%, you get **81.1321, 0.3441, 0.3729**, and if you desaturate by 10%, it is **87.1904, 0.3128, 0.3291**.

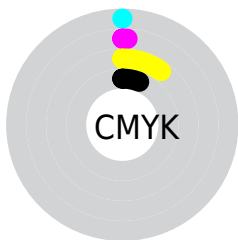
# Distribution



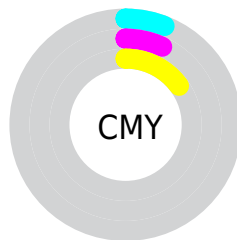
- Red (94%)
- Green (93%)
- Blue (85%)



- Red (86%)
- Yellow (94%)
- Blue (85%)



- Cyan (0%)
- Magenta (1%)
- Yellow (10%)
- Black (6%)



- Cyan (6%)
- Magenta (7%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 84.0515, 0.3280, 0.3506 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 84.0515, 0.3280, 0.3506 by changing the saturation by 10% instead.



84.0515, 0.3280,  
0.3506

84.0515, 0.3280,  
0.3506

508.4842, 0.3211,  
0.3408

63.0580, 0.3295,  
0.3528

139.0472, 0.3257,  
0.3472

45.8881, 0.3314,  
0.3555

173.8182, 0.3247,  
0.3459

32.1575, 0.3337,  
0.3588

213.9504, 0.3239,  
0.3448

21.4818, 0.3367,  
0.3632

259.8283, 0.3232,  
0.3438

13.4767, 0.3406,  
0.3690

311.8362, 0.3226,  
0.3429

7.7576, 0.3461,  
0.3772

370.3586, 0.3221,

3.9402, 0.3542,

0.3421

0.3895

435.7798, 0.3216,  
0.3414

■ 1.6402, 0.3675,  
0.4103

■ 0.3845, 0.4422,  
0.5578

■ 84.0515, 0.3280,  
0.3506

■ 84.0515, 0.3280,  
0.3506

■ 81.1321, 0.3441,  
0.3729

■ 87.1904, 0.3128,  
0.3291

■ 78.4132, 0.3607,  
0.3953

■ 89.9501, 0.3037,  
0.3173

■ 75.8900, 0.3773,  
0.4171

■ 91.8133, 0.3037,  
0.3204

■ 73.5530, 0.3934,  
0.4373

■ 93.7076, 0.3037,  
0.3234

■ 71.3923, 0.4083,  
0.4549

■ 95.6332, 0.3036,  
0.3264

■ 69.3964, 0.4212,  
0.4690

■ 97.2783, 0.3036,  
0.3290

■ 67.5526, 0.4317,  
0.4789

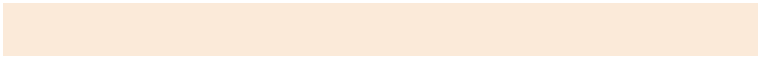
■ 65.8455, 0.4393,  
0.4841

■ 64.2530, 0.4443,  
0.4854

# Harmonies

## Analogous

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



84.0515, 0.3356, 0.3462



84.0515, 0.3280, 0.3506



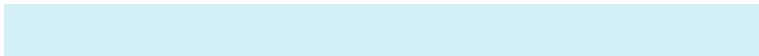
84.0515, 0.3164, 0.3491

# Triad

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



84.0515, 0.3280, 0.3506



84.0515, 0.2891, 0.3199



84.0515, 0.3212, 0.3167

# Complementary

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



84.0515, 0.3280, 0.3506



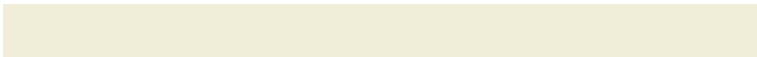
71.6129, 0.2971, 0.3064

# Split Complementary

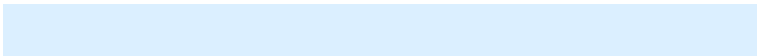
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



84.0515, 0.3087, 0.3099



84.0515, 0.3280, 0.3506



84.0515, 0.2903, 0.3115

# Square

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



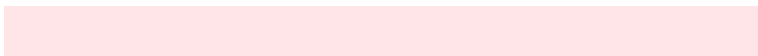
84.0515, 0.3280, 0.3506



84.0515, 0.2941, 0.3311



84.0515, 0.2974, 0.3080



84.0515, 0.3317, 0.3266

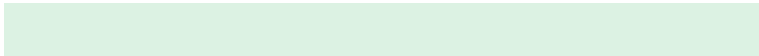


# Rectangle

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



84.0515, 0.3280, 0.3506



84.0515, 0.3080, 0.3448



84.0515, 0.2974, 0.3080



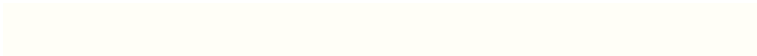
84.0515, 0.3171, 0.3140

# Sweetspot

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



84.0552, 0.3280, 0.3506



98.8916, 0.3172, 0.3354



72.7818, 0.3282, 0.3257



21.1043, 0.3184, 0.3371



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

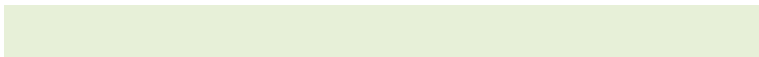
The Same Dimension uses a secret algorithm to generate beautiful new colors.



84.0552, 0.3280, 0.3506



95.7009, 0.3312, 0.3551



84.3531, 0.3217, 0.3542



18.0923, 0.3271, 0.3494



35.2870, 0.4439, 0.4858



3.0313, 0.4402, 0.4887



# Inverse Universe

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



71.6129, 0.2971, 0.3064



78.8005, 0.2937, 0.3015



71.3941, 0.3031, 0.3035



15.5559, 0.2980, 0.3078



4.0803, 0.1527, 0.0698

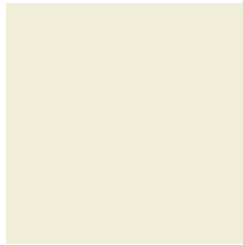


0.4430, 0.1578, 0.0880



# Previews

## White Background



This preview shows how the Yxy color 84.0515, 0.3280, 0.3506 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

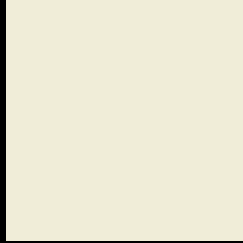
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 84.0515, 0.3280, 0.3506 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

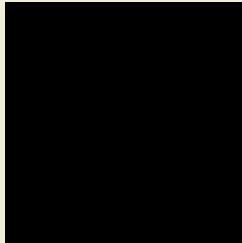
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

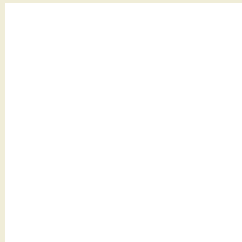
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 84.0515, 0.3280, 0.3506**

## **Background**



This preview shows how black text looks on a background with the Yxy color 84.0515, 0.3280, 0.3506.

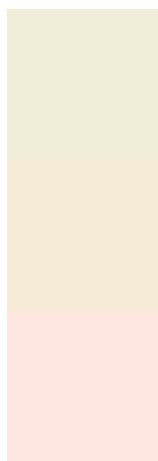


This preview shows how white text looks on a background with the Yxy color 84.0515, 0.3280, 0.3506.

# 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

84.0515, 0.3280, 0.3506

### Protanopia

83.7354, 0.3323, 0.3494

### Deuteranopia

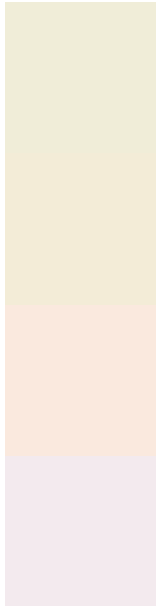
83.8481, 0.3333, 0.3350



## **Tritanopia**

84.0278, 0.3102, 0.3112

# Trichromacy



## Original Color

84.0515, 0.3280, 0.3506

## Protanomaly

83.9519, 0.3308, 0.3505

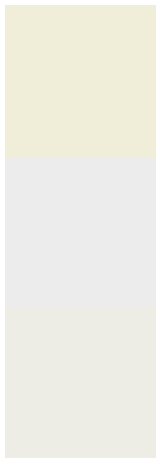
## Deuteranomaly

83.8757, 0.3315, 0.3401

## Tritanomaly

84.0734, 0.3163, 0.3250

# Monochromacy



## Original Color

84.0515, 0.3280, 0.3506

## Achromatopsia

83.8799, 0.3127, 0.3290

## Achromatomaly

83.6526, 0.3177, 0.3362

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 84.0515, 0.3280, 0.3506 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(240, 237, 216)` looks like.

```
.text, #text, p{  
    color:rgb(240, 237, 216)  
}
```

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(240, 237, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 237, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 84.0515, 0.3280, 0.3506 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(240, 237, 216) }
```

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

```
.border{ border-color:rgb(240, 237, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 237, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 237, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 237, 216);  
box-shadow:4px 4px 4px 4px rgb(240, 237,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 84.0515, 0.3280, 0.3506 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 237, 216) }
```

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

```
.background{ background-color: rgb(240,  
237, 216) }
```

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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