

# Converting Colors

$Yxy(86.0061, 0.3294, 0.3527)$

Have a look what the booklet for  
Yxy(86.0061, 0.3294, 0.3527)  
contains.

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# Color

**Yxy(85.7456, 0.3298, 0.3525)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3EFD8
RGB	243, 239, 216
RGB Percent	95%, 94%, 85%
CMY	0.0470, 0.0627, 0.1530
CMYK	0.00, 0.02, 0.11, 0.05
HSL	51°, 53%, 90%
HSV	51°, 11%, 95%
XYZ	80.2238, 85.7456, 77.2805
YIQ	237.5740, 9.7670, -6.3050

# Conversions

## Conversions Part 2

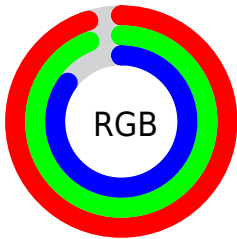
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	221, 243, 216
Decimal	15986648
CIE <sub>Lab</sub>	94.20, -2.49, 11.60
CIE <sub>LCh</sub>	94, 11.868, 102.110
Yxy	85.7456, 0.3298, 0.3525
Android (android.graphics.Color)	4294176728 (0xFFFF3EFD8)
YUV	237.5740, -10.6360, 4.7586
Hunter-Lab	92.5989, -7.4032, 15.3374

# Details

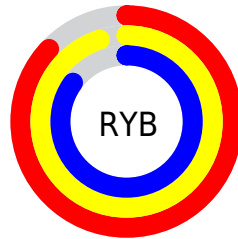
The Yxy color **85.7456, 0.3298, 0.3525** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **72.2518, 0.2952, 0.3044**, and the grayscale version is **85.2342, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.0050, 0.3339, 0.3579** is the 20% darker color. If you saturate the color by 10%, you get **82.4969, 0.3461, 0.3744**, and if you desaturate by 10%, it is **89.2297, 0.3144, 0.3313**.

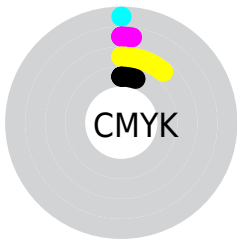
# Distribution



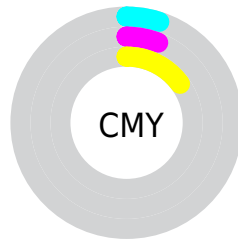
- Red (95%)
- Green (94%)
- Blue (85%)



- Red (87%)
- Yellow (95%)
- Blue (85%)



- Cyan (0%)
- Magenta (2%)
- Yellow (11%)
- Black (5%)



- Cyan (5%)
- Magenta (6%)
- Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.7456, 0.3298, 0.3525 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 85.7456, 0.3298, 0.3525 by changing the saturation by 10% instead.



85.7456, 0.3298,  
0.3525

85.7456, 0.3298,  
0.3525

514.0920, 0.3221,  
0.3419

64.4576, 0.3315,  
0.3549

141.4144, 0.3272,  
0.3489

47.0214, 0.3335,  
0.3578

176.5641, 0.3262,  
0.3474

33.0526, 0.3361,  
0.3614

217.1031, 0.3253,  
0.3462

22.1667, 0.3394,  
0.3660

263.4158, 0.3245,  
0.3451

13.9795, 0.3437,  
0.3723

315.8866, 0.3238,  
0.3442

8.1064, 0.3497,  
0.3809

374.9000, 0.3232,

4.1631, 0.3585,

0.3433

0.3939

440.8404, 0.3226,  
0.3426

■ 1.7652, 0.3726,  
0.4154

■ 0.4654, 0.4505,  
0.5495

■ 85.7456, 0.3298,  
0.3525

■ 85.7456, 0.3298,  
0.3525

■ 82.4969, 0.3461,  
0.3744

■ 89.2297, 0.3144,  
0.3313

■ 79.4640, 0.3630,  
0.3963

■ 92.3123, 0.3055,  
0.3204

■ 76.6416, 0.3800,  
0.4176

■ 94.5261, 0.3055,  
0.3239

■ 74.0200, 0.3964,  
0.4373

■ 96.7826, 0.3054,  
0.3274

71.5885, 0.4117,  
0.4544

97.7960, 0.3054,  
0.3290

69.3354, 0.4250,  
0.4678

67.2469, 0.4358,  
0.4769

65.3069, 0.4437,  
0.4813

63.6853, 0.4486,  
0.4820

# Harmonies

## Analogous

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



85.7456, 0.3379, 0.3474



85.7456, 0.3298, 0.3525



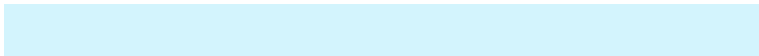
85.7456, 0.3173, 0.3511

# Triad

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



85.7456, 0.3298, 0.3525



85.7456, 0.2871, 0.3195



85.7456, 0.3215, 0.3152

# Complementary

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



85.7456, 0.3298, 0.3525



72.2518, 0.2952, 0.3044

# Split Complementary

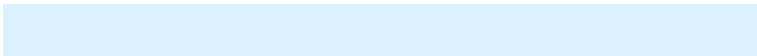
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.7456, 0.3077, 0.3080



85.7456, 0.3298, 0.3525



85.7456, 0.2881, 0.3102

# Square

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



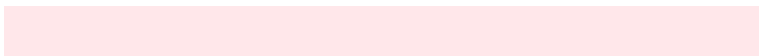
85.7456, 0.3298, 0.3525



85.7456, 0.2927, 0.3317



85.7456, 0.2956, 0.3062



85.7456, 0.3330, 0.3259



# Rectangle

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



85.7456, 0.3298, 0.3525



85.7456, 0.3081, 0.3466



85.7456, 0.2956, 0.3062



85.7456, 0.3169, 0.3123

# Sweetspot

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



85.7494, 0.3298, 0.3525



98.7961, 0.3172, 0.3352



73.3326, 0.3298, 0.3248



21.0784, 0.3184, 0.3369



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.



85.7494, 0.3298, 0.3525



94.9525, 0.3329, 0.3567



86.4796, 0.3229, 0.3570



18.8706, 0.3272, 0.3490



35.1076, 0.4481, 0.4824



3.1971, 0.4439, 0.4857



# Inverse Universe

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



72.2518, 0.2952, 0.3044



77.5334, 0.2920, 0.2998



71.6579, 0.3017, 0.3006



16.3228, 0.2979, 0.3082



4.3621, 0.1534, 0.0721

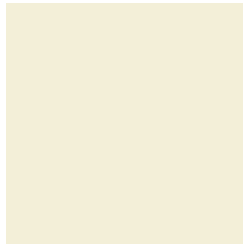


0.5008, 0.1586, 0.0908



# Previews

## White Background



This preview shows how the Yxy color 85.7456, 0.3298, 0.3525 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

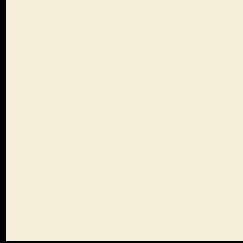
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.7456, 0.3298, 0.3525 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

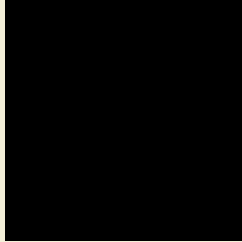
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

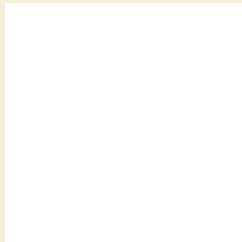
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.7456, 0.3298, 0.3525**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.7456, 0.3298, 0.3525.

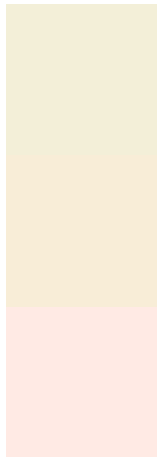


This preview shows how white text looks on a background with the Yxy color 85.7456, 0.3298, 0.3525.

# 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

85.7456, 0.3298, 0.3525

### Protanopia

85.4311, 0.3341, 0.3513

### Deuteranopia

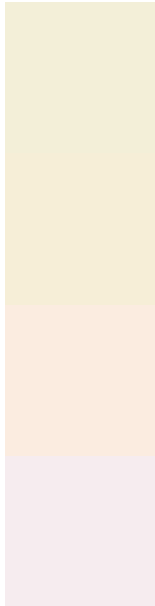
85.7071, 0.3309, 0.3350



## Tritanopia

85.8304, 0.3109, 0.3113

# Trichromacy



## Original Color

85.7456, 0.3298, 0.3525

## Protanomaly

85.6482, 0.3326, 0.3524

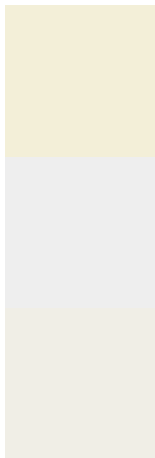
## Deuteranomaly

85.8820, 0.3305, 0.3410

## Tritanomaly

85.8157, 0.3175, 0.3260

# Monochromacy



## Original Color

85.7456, 0.3298, 0.3525

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

85.3875, 0.3190, 0.3371

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.7456, 0.3298, 0.3525 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, 239, 216)` looks like.

```
.text, #text, p{  
    color:rgb(243, 239, 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(243, 239, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 239, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 85.7456, 0.3298, 0.3525 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, 239, 216) }
```

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

```
.border{ border-color:rgb(243, 239, 216) }
```

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

Here you see how a box with a 4 pixel rgb(243, 239, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 239, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 239, 216);  
box-shadow:4px 4px 4px 4px rgb(243, 239,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.7456, 0.3298, 0.3525 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 239, 216) }
```

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

```
.background{ background-color: rgb(243,  
239, 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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