

# Converting Colors

$Yxy(85.7659, 0.3297, 0.3472)$

Have a look what the booklet for  
Yxy(85.7659, 0.3297, 0.3472)  
contains.

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# Color

**Yxy(85.9092, 0.3294, 0.3472)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6EEDC
RGB	246, 238, 220
RGB Percent	96%, 93%, 86%
CMY	0.0353, 0.0667, 0.1371
CMYK	0.00, 0.03, 0.11, 0.04
HSL	41°, 59%, 91%
HSV	41°, 11%, 96%
XYZ	81.5049, 85.9092, 80.0203
YIQ	238.3400, 10.5460, -3.9020

# Conversions

## Conversions Part 2

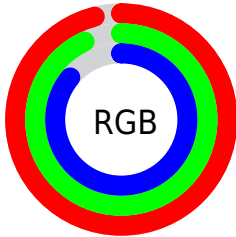
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	232, 246, 220
Decimal	16183004
CIE <sub>Lab</sub>	94.27, -0.29, 9.64
CIE <sub>LCh</sub>	94, 9.645, 91.722
Y <sub>xy</sub>	85.9092, 0.3294, 0.3472
Android (android.graphics.Color)	4294373084 (0xFFFF6EEDC)
YUV	238.3400, -9.0416, 6.7178
Hunter-Lab	92.6872, -5.2379, 13.6938

# Details

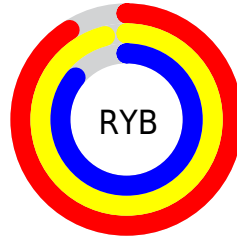
The Yxy color **85.9092, 0.3294, 0.3472** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **77.3880, 0.2962, 0.3101**, and the grayscale version is **85.8474, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **47.1197, 0.3335, 0.3511** is the 20% darker color. If you saturate the color by 10%, you get **80.3784, 0.3468, 0.3652**, and if you desaturate by 10%, it is **91.8256, 0.3136, 0.3299**.

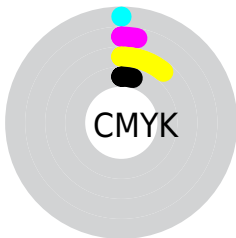
# Distribution



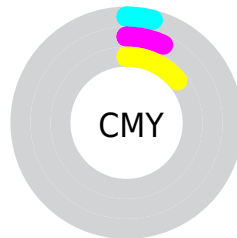
- Red (96%)
- Green (93%)
- Blue (86%)



- Red (91%)
- Yellow (96%)
- Blue (86%)



- Cyan (0%)
- Magenta (3%)
- Yellow (11%)
- Black (4%)




- Cyan (4%)
- Magenta (7%)
- Yellow (14%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 85.9092, 0.3294, 0.3472 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 85.9092, 0.3294, 0.3472 by changing the saturation by 10% instead.




 85.9092, 0.3294,  
0.3472

 85.9092, 0.3294,  
0.3472


514.6318, 0.3219,  
0.3390

 64.5929, 0.3311,  
0.3490


141.6428, 0.3268,  
0.3444

 47.1310, 0.3331,  
0.3512


176.8288, 0.3258,  
0.3433

 33.1393, 0.3356,  
0.3540


217.4069, 0.3250,  
0.3424

 22.2332, 0.3389,  
0.3576

263.7614, 0.3242,  
0.3415

 14.0283, 0.3432,  
0.3623

316.2768, 0.3235,  
0.3408

 8.1404, 0.3492,  
0.3689

375.3374, 0.3229,

 4.1849, 0.3581,

0.3401

441.3276, 0.3224,  
0.3395

0.3786

■ 1.7775, 0.3726,  
0.3946

■ 0.4731, 0.4833,  
0.5167

■ 85.9092, 0.3294,  
0.3472

■ 85.9092, 0.3294,  
0.3472

■ 80.3784, 0.3468,  
0.3652

■ 91.8256, 0.3136,  
0.3299

■ 75.2113, 0.3656,  
0.3836

■ 97.1749, 0.3072,  
0.3272

■ 70.4003, 0.3855,  
0.4016

■ 98.3347, 0.3072,  
0.3290

■ 65.9333, 0.4060,  
0.4185

■ 61.7975, 0.4264,  
0.4331

■ 57.9783, 0.4457,  
0.4444

■ 54.4596, 0.4630,  
0.4513

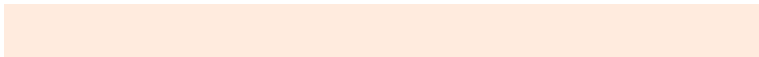
■ 51.2226, 0.4773,  
0.4531

■ 48.3975, 0.4881,  
0.4507

# Harmonies

## Analogous

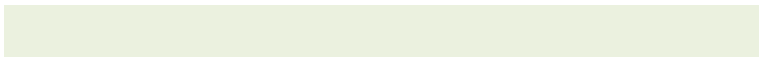
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.9092, 0.3341, 0.3416



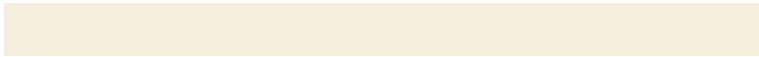
85.9092, 0.3294, 0.3472



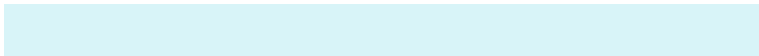
85.9092, 0.3202, 0.3479

# Triad

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



85.9092, 0.3294, 0.3472



85.9092, 0.2929, 0.3246



85.9092, 0.3160, 0.3153

# Complementary

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



85.9092, 0.3294, 0.3472



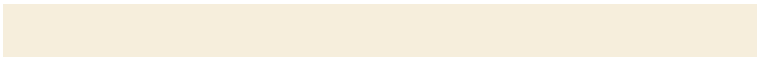
77.3880, 0.2962, 0.3101

# Split Complementary

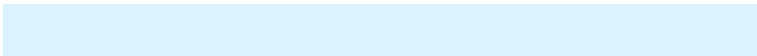
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



85.9092, 0.3050, 0.3108



85.9092, 0.3294, 0.3472



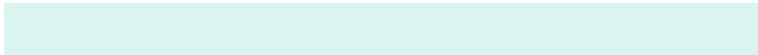
85.9092, 0.2918, 0.3160

# Square

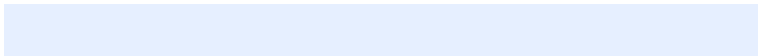
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



85.9092, 0.3294, 0.3472



85.9092, 0.2992, 0.3347



85.9092, 0.2962, 0.3110



85.9092, 0.3263, 0.3233



# Rectangle

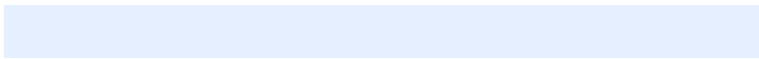
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



85.9092, 0.3294, 0.3472



85.9092, 0.3129, 0.3454



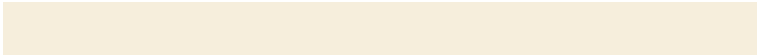
85.9092, 0.2962, 0.3110



85.9092, 0.3123, 0.3133

# Sweetspot

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



85.9130, 0.3294, 0.3472



98.0210, 0.3173, 0.3341



76.4159, 0.3258, 0.3207



20.8687, 0.3185, 0.3354



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

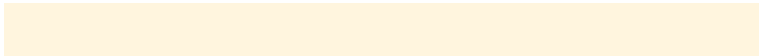


# Same Dimension

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



85.9130, 0.3294, 0.3472



91.6957, 0.3335, 0.3516



89.8315, 0.3253, 0.3553



18.4007, 0.3276, 0.3453



26.0907, 0.4866, 0.4518



2.4749, 0.4761, 0.4602



# Inverse Universe

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



77.3880, 0.2962, 0.3101



80.4804, 0.2922, 0.3053



73.8348, 0.2993, 0.3018



16.7603, 0.2980, 0.3122



6.5183, 0.1616, 0.1016

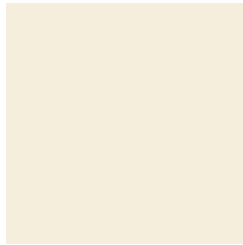


0.7476, 0.1684, 0.1261



# Previews

## White Background



This preview shows how the Yxy color 85.9092, 0.3294, 0.3472 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

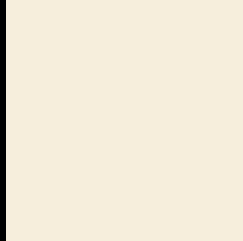
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 85.9092, 0.3294, 0.3472 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

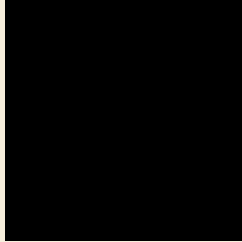
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

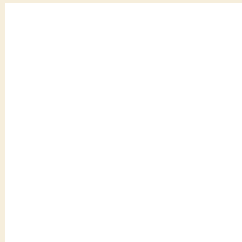
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 85.9092, 0.3294, 0.3472**

## **Background**



This preview shows how black text looks on a background with the Yxy color 85.9092, 0.3294, 0.3472.

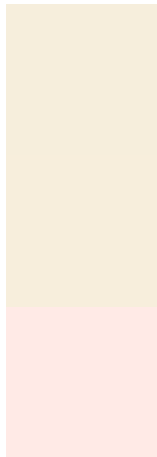


This preview shows how white text looks on a background with the Yxy color 85.9092, 0.3294, 0.3472.

# 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

85.9092, 0.3294, 0.3472

### Protanopia

86.0905, 0.3301, 0.3472

### Deuteranopia

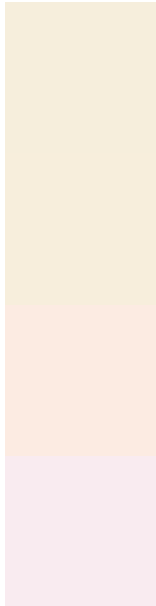
85.8188, 0.3296, 0.3330



## Tritanopia

85.6301, 0.3123, 0.3104

# Trichromacy



## Original Color

85.9092, 0.3294, 0.3472

## Protanomaly

86.0905, 0.3301, 0.3472

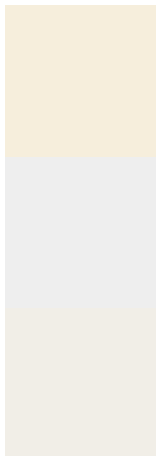
## Deuteranomaly

85.6031, 0.3300, 0.3380

## Tritanomaly

85.8477, 0.3190, 0.3241

# Monochromacy



## Original Color

85.9092, 0.3294, 0.3472

## Achromatopsia

85.4993, 0.3127, 0.3290

## Achromatomaly

85.6194, 0.3191, 0.3361

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 85.9092, 0.3294, 0.3472 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(246, 238, 220)` looks like.

```
.text, #text, p{  
    color:rgb(246, 238, 220)  
}
```

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(246, 238, 220) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 238, 220) }
```

## Border

The CSS property to change the border of an element to Yxy 85.9092, 0.3294, 0.3472 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(246, 238, 220) }
```

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

```
.border{ border-color:rgb(246, 238, 220) }
```

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

Here you see how a box with a 4 pixel `rgb(246, 238, 220)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 238, 220); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 238, 220);  
box-shadow:4px 4px 4px 4px rgb(246, 238,  
220) }
```



# Background

The CSS property to change the background color of an element to Yxy 85.9092, 0.3294, 0.3472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 238, 220) }
```

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

```
.background{ background-color: rgb(246,  
238, 220) }
```

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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