

# Converting Colors

$Y_{xy}(87.2732, 0.3293, 0.3547)$

Have a look what the booklet for  
Yxy(87.2732, 0.3293, 0.3547)  
contains.

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# Color

**Yxy(87.5168, 0.3294, 0.3555)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F3F2D8
RGB	243, 242, 216
RGB Percent	95%, 95%, 85%
CMY	0.0473, 0.0509, 0.1530
CMYK	0.00, 0.00, 0.11, 0.05
HSL	58°, 53%, 90%
HSV	58°, 11%, 95%
XYZ	81.0915, 87.5168, 77.5711
YIQ	239.3350, 8.9420, -7.8740

# Conversions

## Conversions Part 2

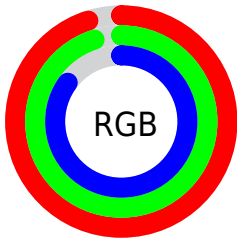
Format	Color
<a href="#">RYB</a>	<a href="#">217, 243, 216</a>
Decimal	<a href="#">15987416</a>
CIELab	<a href="#">94.96, -4.04, 12.68</a>
CIElCh	<a href="#">95, 13.308, 107.676</a>
Yxy	<a href="#">87.5168, 0.3294, 0.3555</a>
Android (android.graphics.Color)	<a href="#">4294177496</a> ( <a href="#">0xFFFF3F2D8</a> )
YUV	<a href="#">239.3350, -11.5042, 3.2142</a>
Hunter-Lab	<a href="#">93.5504, -8.9856, 16.3226</a>

# Details

The Yxy color **87.5168, 0.3294, 0.3555** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **70.6368, 0.2952, 0.3010**, and the grayscale version is **86.6727, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **48.2558, 0.3334, 0.3617** is the 20% darker color. If you saturate the color by 10%, you get **85.8657, 0.3449, 0.3800**, and if you desaturate by 10%, it is **89.3635, 0.3143, 0.3316**.

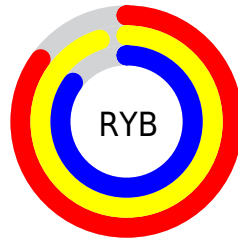
# Distribution



Red (95%)

Green (95%)

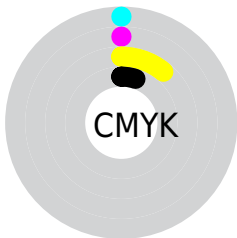
Blue (85%)



Red (85%)

Yellow (95%)

Blue (85%)

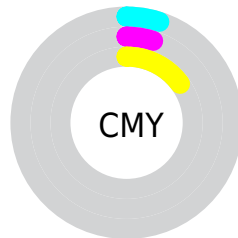


Cyan (0%)

Magenta (0%)

Yellow (11%)

Black (5%)



Cyan (5%)

Magenta (5%)

Yellow (15%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.5168, 0.3294, 0.3555 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 87.5168, 0.3294, 0.3555 by changing the saturation by 10% instead.



87.5168, 0.3294,  
0.3555

87.5168, 0.3294,  
0.3555

519.9196, 0.3220,  
0.3435

65.9230, 0.3310,  
0.3582

143.8843, 0.3269,  
0.3514

48.2099, 0.3330,  
0.3614

179.4267, 0.3259,  
0.3498

33.9931, 0.3355,  
0.3655

220.3874, 0.3250,  
0.3484

22.8883, 0.3386,  
0.3707

267.1508, 0.3243,  
0.3472

14.5111, 0.3427,  
0.3777

320.1014, 0.3236,  
0.3461

8.4770, 0.3483,  
0.3874

379.6234, 0.3230,

4.4016, 0.3564,

0.3452

0.4019

446.1013, 0.3225,  
0.3443

■ 1.9007, 0.3690,  
0.4257

■ 0.5488, 0.4353,  
0.5647

■ 87.5168, 0.3294,  
0.3555

■ 87.5168, 0.3294,  
0.3555

■ 85.8657, 0.3449,  
0.3800

■ 89.3635, 0.3143,  
0.3316

■ 84.3907, 0.3605,  
0.4044


■ 90.7701, 0.3055,  
0.3179

■ 83.0868, 0.3755,  
0.4277


■ 91.2667, 0.3055,  
0.3187

■ 81.9446, 0.3894,  
0.4491

■ 91.7654, 0.3055,  
0.3195


 80.9536, 0.4016,  
0.4675

 92.2664, 0.3055,  
0.3203

 80.1023, 0.4114,  
0.4821


 92.7697, 0.3055,  
0.3211

 79.3774, 0.4187,  
0.4924

 93.2751, 0.3055,  
0.3219

 78.7627, 0.4233,  
0.4982

 93.7828, 0.3054,  
0.3228

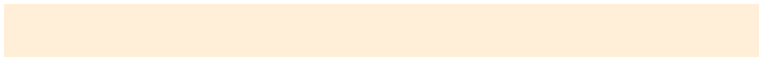
 78.2856, 0.4255,  
0.5004

 94.2927, 0.3054,  
0.3236

# Harmonies

## Analogous

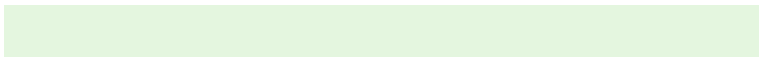
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.5168, 0.3396, 0.3510



87.5168, 0.3294, 0.3555



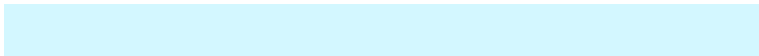
87.5168, 0.3149, 0.3526

# Triad

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



87.5168, 0.3294, 0.3555



87.5168, 0.2839, 0.3161



87.5168, 0.3251, 0.3156

# Complementary

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



87.5168, 0.3294, 0.3555



70.6368, 0.2952, 0.3010

# Split Complementary

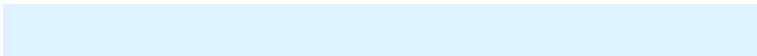
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



87.5168, 0.3100, 0.3068



87.5168, 0.3294, 0.3555



87.5168, 0.2864, 0.3068

# Square

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



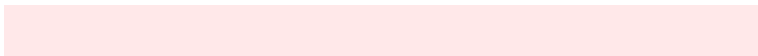
87.5168, 0.3294, 0.3555



87.5168, 0.2888, 0.3294



87.5168, 0.2959, 0.3035



87.5168, 0.3371, 0.3279

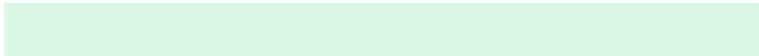


# Rectangle

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



87.5168, 0.3294, 0.3555



87.5168, 0.3048, 0.3468



87.5168, 0.2959, 0.3035



87.5168, 0.3202, 0.3122

# Sweetspot

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



87.5206, 0.3294, 0.3555



99.3515, 0.3172, 0.3361



73.1739, 0.3316, 0.3277



21.2289, 0.3184, 0.3380



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.



87.5206, 0.3294, 0.3555



97.3300, 0.3324, 0.3602



85.9800, 0.3211, 0.3571



19.2114, 0.3269, 0.3516



43.0322, 0.4254, 0.5005



3.8118, 0.4245, 0.5011



# Inverse Universe

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



70.6368, 0.2952, 0.3010



75.4881, 0.2919, 0.2957



72.0829, 0.3036, 0.3008



16.0168, 0.2979, 0.3054



3.6887, 0.1506, 0.0621

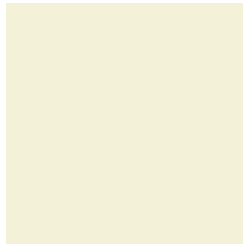


0.3554, 0.1521, 0.0674



# Previews

## White Background



This preview shows how the Yxy color 87.5168, 0.3294, 0.3555 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

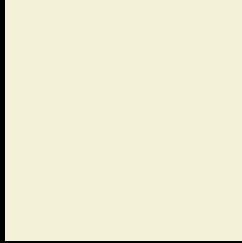
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.5168, 0.3294, 0.3555 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

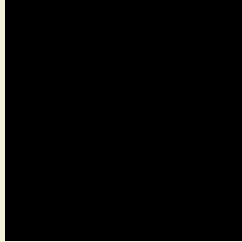
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

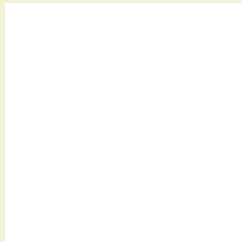
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 87.5168, 0.3294, 0.3555**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.5168, 0.3294, 0.3555.

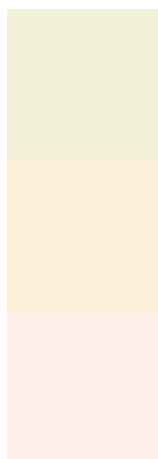


This preview shows how white text looks on a background with the Yxy color 87.5168, 0.3294, 0.3555.

# 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

87.5168, 0.3294, 0.3555

### Protanopia

87.7357, 0.3358, 0.3541

### Deuteranopia

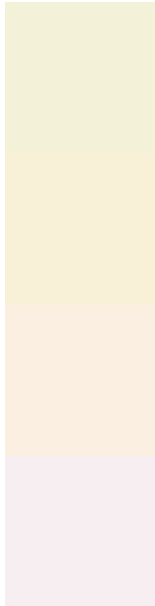
87.5979, 0.3286, 0.3349



## Tritanopia

87.1674, 0.3090, 0.3104

# Trichromacy



## Original Color

87.5168, 0.3294, 0.3555

## Protanomaly

87.7733, 0.3336, 0.3552

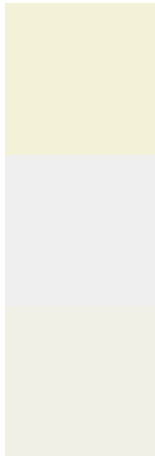
## Deuteranomaly

87.7332, 0.3289, 0.3420

## Tritanomaly

87.0928, 0.3162, 0.3260

# Monochromacy



## Original Color

87.5168, 0.3294, 0.3555

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

86.6150, 0.3182, 0.3381

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.5168, 0.3294, 0.3555 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, 242, 216)` looks like.

```
.text, #text, p{  
    color:rgb(243, 242, 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, 242, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(243, 242, 216) }
```

## Border

The CSS property to change the border of an element to Yxy 87.5168, 0.3294, 0.3555 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, 242, 216) }
```

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

```
.border{ border-color:rgb(243, 242, 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, 242, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(243, 242, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(243, 242, 216);  
box-shadow:4px 4px 4px 4px rgb(243, 242,  
216) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.5168, 0.3294, 0.3555 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(243, 242, 216) }
```

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

```
.background{ background-color: rgb(243,  
242, 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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