

# Converting Colors

$Yxy(87.5649, 0.3561, 0.3820)$

Have a look what the booklet for  
Yxy(87.5649, 0.3561, 0.3820)  
contains.

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# **Color**

**Yxy(87.8014, 0.3559, 0.3821)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF1BC
RGB	255, 241, 188
RGB Percent	100%, 95%, 74%
CMY	0.0000, 0.0549, 0.2628
CMYK	0.00, 0.05, 0.26, 0.00
HSL	47°, 100%, 87%
HSV	47°, 26%, 100%
XYZ	81.7810, 87.8014, 60.2040
YIQ	239.1440, 25.3570, -13.5150

# Conversions

## Conversions Part 2

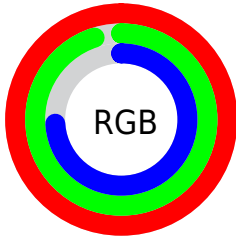
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	206, 255, 188
Decimal	16773564
CIE Lab	95.08, -3.22, 27.36
CIE LCh	95, 27.547, 96.709
Yxy	87.8014, 0.3559, 0.3821
Android (android.graphics.Color)	4294963644 (0xFFFFF1BC)
YUV	239.1440, -25.2140, 13.9057
Hunter-Lab	93.7024, -8.1891, 27.4977

# Details

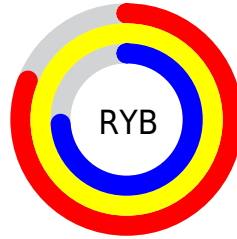
The Yxy color **87.8014, 0.3559, 0.3821** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **60.1452, 0.2685, 0.2696**, and the grayscale version is **86.6155, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.3117, 0.3191, 0.3396**, and **48.4249, 0.3657, 0.3940** is the 20% darker color. If you saturate the color by 10%, you get **83.6852, 0.3738, 0.4026**, and if you desaturate by 10%, it is **92.1979, 0.3386, 0.3614**.

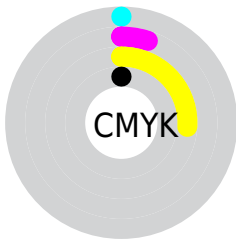
# Distribution



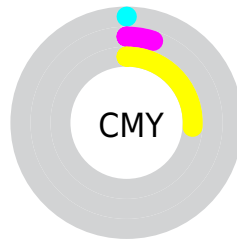
- Red (100%)
- Green (95%)
- Blue (74%)



- Red (81%)
- Yellow (100%)
- Blue (74%)



- Cyan (0%)
- Magenta (5%)
- Yellow (26%)
- Black (0%)




- Cyan (0%)
- Magenta (5%)
- Yellow (26%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.8014, 0.3559, 0.3821 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 87.8014, 0.3559, 0.3821 by changing the saturation by 10% instead.





 87.8014, 0.3559,  
0.3821

 87.8014, 0.3559,  
0.3821

520.8526, 0.3368,  
0.3583

 66.1586, 0.3600,  
0.3873

 144.2806, 0.3495,  
0.3740

 48.4012, 0.3650,  
0.3936


179.8859, 0.3469,  
0.3708

 34.1447, 0.3711,  
0.4015


220.9140, 0.3447,  
0.3681

 23.0048, 0.3788,  
0.4113

267.7495, 0.3427,  
0.3656

 14.5970, 0.3885,  
0.4242

320.7767, 0.3410,  
0.3635

 8.5371, 0.4013,  
0.4413

380.3801, 0.3394,

 4.4405, 0.4182,

0.3616

0.4648

446.9439, 0.3380,  
0.3599

■ 1.9229, 0.4691,  
0.5309

■ 0.5621, 0.4477,  
0.5523

■ 87.8014, 0.3559,  
0.3821

■ 87.8014, 0.3559,  
0.3821

■ 83.6852, 0.3738,  
0.4026

■ 92.1979, 0.3386,  
0.3614

■ 79.8478, 0.3920,  
0.4221

■ 96.8943, 0.3223,  
0.3412

■ 76.2740, 0.4096,  
0.4396

100.0000, 0.3127,  
0.3290

■ 72.9506, 0.4259,  
0.4541

■ 69.8629, 0.4402,  
0.4645

■ 66.9936, 0.4517,  
0.4702

■ 64.3215, 0.4601,  
0.4712

■ 63.3663, 0.4628,  
0.4707

# Harmonies

## Analogous

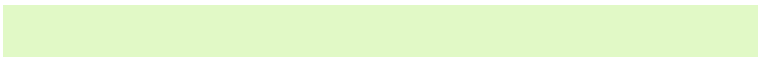
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.8014, 0.3727, 0.3665



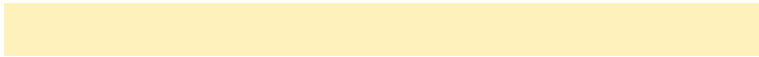
87.8014, 0.3559, 0.3821



87.8014, 0.3279, 0.3832

# Triad

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



87.8014, 0.3559, 0.3821



87.8014, 0.2562, 0.3106



87.8014, 0.3268, 0.2946

# Complementary

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



87.8014, 0.3559, 0.3821



60.1452, 0.2685, 0.2696

# 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.



87.8014, 0.2953, 0.2807



87.8014, 0.3559, 0.3821



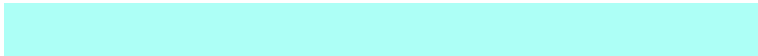
87.8014, 0.2559, 0.2884

# Square

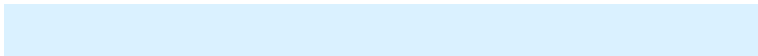
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.8014, 0.3559, 0.3821



87.8014, 0.2709, 0.3400



87.8014, 0.2697, 0.2782

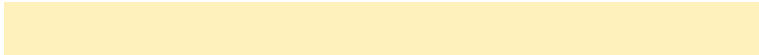


87.8014, 0.3556, 0.3167

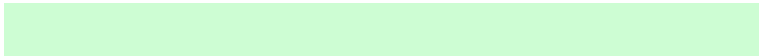


# Rectangle

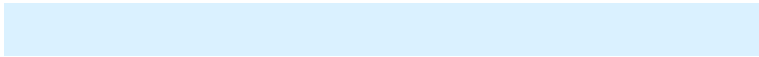
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



87.8014, 0.3559, 0.3821



87.8014, 0.3070, 0.3744



87.8014, 0.2697, 0.2782



87.8014, 0.3161, 0.2889

# Sweetspot

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



87.7983, 0.3559, 0.3821



96.0652, 0.3250, 0.3447



61.5080, 0.3572, 0.3141



20.4082, 0.3274, 0.3477



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

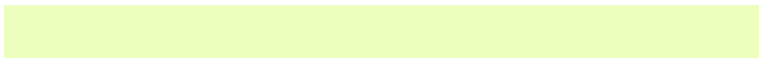
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7983, 0.3559, 0.3821



85.4115, 0.3661, 0.3939



92.9851, 0.3398, 0.3978



20.4082, 0.3274, 0.3477



33.3337, 0.4619, 0.4714



3.3996, 0.4561, 0.4761



# Inverse Universe

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



60.1452, 0.2685, 0.2696



53.1729, 0.2577, 0.2543



56.4412, 0.2801, 0.2560



17.9926, 0.2979, 0.3096



5.2879, 0.1558, 0.0809



0.6635, 0.1612, 0.1003



# Previews

## White Background



This preview shows how the Yxy color 87.8014, 0.3559, 0.3821 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

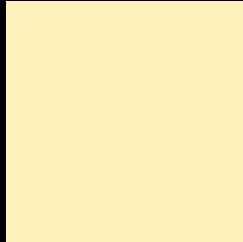
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 87.8014, 0.3559, 0.3821 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

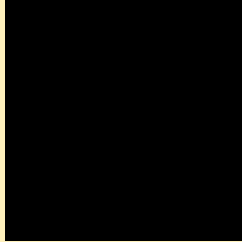
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 87.8014, 0.3559, 0.3821**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.8014, 0.3559, 0.3821.



This preview shows how white text looks on a background with the Yxy color 87.8014, 0.3559, 0.3821.

# 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

87.8014, 0.3559, 0.3821

### Protanopia

88.0656, 0.3520, 0.3760

### Deuteranopia

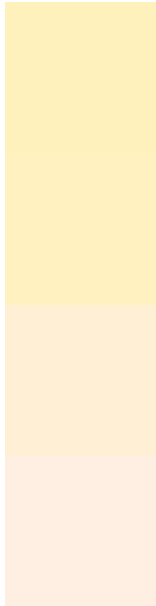
87.9001, 0.3317, 0.3409



## Tritanopia

87.9663, 0.3186, 0.3183

# Trichromacy



## Original Color

87.8014, 0.3559, 0.3821

## Protanomaly

87.9764, 0.3533, 0.3781

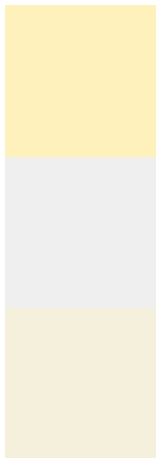
## Deuteranomaly

87.7465, 0.3407, 0.3559

## Tritanomaly

87.9001, 0.3317, 0.3409

# Monochromacy



## Original Color

87.8014, 0.3559, 0.3821

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

86.9000, 0.3285, 0.3493

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.8014, 0.3559, 0.3821 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(255, 241, 188)` looks like.

```
.text, #text, p{  
    color:rgb(255, 241, 188)  
}
```

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(255, 241, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 241, 188) }
```

## Border

The CSS property to change the border of an element to Yxy 87.8014, 0.3559, 0.3821 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(255, 241, 188) }
```

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

```
.border{ border-color:rgb(255, 241, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 241, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 241, 188); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 241, 188);  
box-shadow:4px 4px 4px 4px rgb(255, 241,  
188) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.8014, 0.3559, 0.3821 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 241, 188) }
```

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

```
.background{ background-color: rgb(255,  
241, 188) }
```

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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