

# Converting Colors

Yxy(88.6472, 0.3157, 0.3147)

Have a look what the booklet for  
Yxy(88.6472, 0.3157, 0.3147)  
contains.

<b>Yxy(88.8566, 0.3154, 0.3145)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	27
<b><i>CSS Examples</i></b> .....	30

# Color

**Yxy(88.8566, 0.3154, 0.3145)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFEDFC
RGB	255, 237, 252
RGB Percent	100%, 93%, 99%
CMY	0.0000, 0.0706, 0.0117
CMYK	0.00, 0.07, 0.01, 0.00
HSL	310°, 100%, 96%
HSV	310°, 7%, 100%
XYZ	89.1109, 88.8566, 104.5654
YIQ	244.0920, 5.9130, 8.4810

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	255, 237, 252
Decimal	16772604
CIE Lab	95.52, 8.67, -5.04
CIE LCh	96, 10.035, 329.823
Yxy	88.8566, 0.3154, 0.3145
Android (android.graphics.Color)	4294962684 (0xFFFFEFC)
YUV	244.0920, 3.8986, 9.5663
Hunter-Lab	94.2638, 3.7807, 0.2151

# Details

The Yxy color 88.8566, 0.3154, 0.3145 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 95.8117, 0.3102, 0.3439, and the grayscale version is 90.5038, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 48.9936, 0.3161, 0.3118 is the 20% darker color. If you saturate the color by 10%, you get 74.8561, 0.3196, 0.2933, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

# Distribution



Red (100%)

Green (93%)

Blue (99%)



Red (100%)

Yellow (93%)

Blue (99%)



Cyan (0%)

Magenta (7%)

Yellow (1%)

Black (0%)



Cyan (0%)

Magenta (7%)


Yellow (1%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.8566, 0.3154, 0.3145 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 88.8566, 0.3154, 0.3145 by changing the saturation by 10% instead.




 88.8566, 0.3154,  
0.3145

 88.8566, 0.3154,  
0.3145

524.3044, 0.3142,  
0.3209

 67.0327, 0.3156,  
0.3131


145.7491, 0.3150,  
0.3167

 49.1112, 0.3159,  
0.3114


181.5866, 0.3149,  
0.3175

 34.7077, 0.3163,  
0.3093


222.8640, 0.3147,  
0.3183

 23.4378, 0.3168,  
0.3067

269.9657, 0.3146,  
0.3189

 14.9171, 0.3174,  
0.3032

323.2763, 0.3145,  
0.3195

 8.7612, 0.3182,  
0.2984

383.1800, 0.3144,

 4.5858, 0.3193,

0.3200

0.2915

450.0612, 0.3143,  
0.3205

■ 2.0063, 0.3210,  
0.2805

■ 0.6111, 0.3271,  
0.2522

■ 88.8566, 0.3154,  
0.3145

■ 88.8566, 0.3154,  
0.3145

■ 74.8561, 0.3196,  
0.2933

100.0000, 0.3127,  
0.3290

■ 62.8789, 0.3244,  
0.2718

■ 52.8246, 0.3298,  
0.2506

■ 44.5911, 0.3357,  
0.2306

■ 38.0671, 0.3419,  
0.2128

■ 33.1288, 0.3484,  
0.1982

■ 29.6359, 0.3549,  
0.1877

■ 27.4233, 0.3611,  
0.1818

■ 26.2804, 0.3671,  
0.1804

# Harmonies

## Analogous

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



88.8566, 0.3041, 0.3102



88.8566, 0.3154, 0.3145



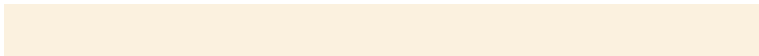
88.8566, 0.3261, 0.3225

# Triad

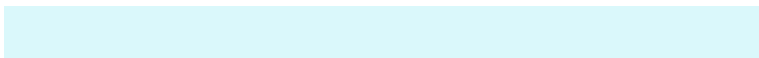
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



88.8566, 0.3154, 0.3145



88.8566, 0.3303, 0.3475



88.8566, 0.2925, 0.3251

# Complementary

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



88.8566, 0.3154, 0.3145



95.8117, 0.3102, 0.3439

# Split Complementary

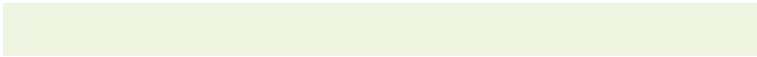
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



88.8566, 0.2993, 0.3355



88.8566, 0.3154, 0.3145



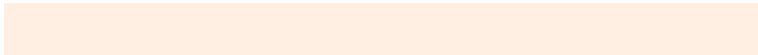
88.8566, 0.3211, 0.3486

# Square

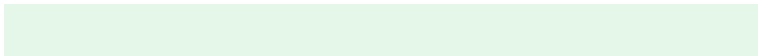
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.8566, 0.3154, 0.3145



88.8566, 0.3349, 0.3414



88.8566, 0.3098, 0.3442



88.8566, 0.2911, 0.3161

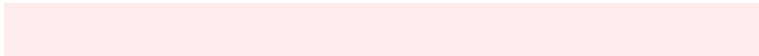


# Rectangle

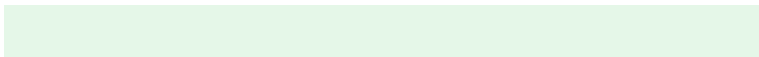
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



88.8566, 0.3154, 0.3145



88.8566, 0.3315, 0.3290



88.8566, 0.3098, 0.3442



88.8566, 0.2943, 0.3286

# Sweetspot

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



88.8507, 0.3154, 0.3145



96.7349, 0.3134, 0.3249



86.2520, 0.3036, 0.3111



20.7394, 0.3134, 0.3251



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.



88.8507, 0.3154, 0.3145



87.4524, 0.3157, 0.3125



88.3098, 0.3208, 0.3229



18.2457, 0.3163, 0.3094



13.6334, 0.3679, 0.1800

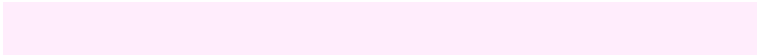


1.3406, 0.3616, 0.1766



# Inverse Universe

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



88.8507, 0.3154, 0.3145



87.4524, 0.3157, 0.3125



96.3429, 0.3052, 0.3352



18.2457, 0.3163, 0.3094



13.6334, 0.3679, 0.1800



1.3406, 0.3616, 0.1766



# Previews

## White Background



This preview shows how the Yxy color 88.8566, 0.3154, 0.3145 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 88.8566, 0.3154, 0.3145 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

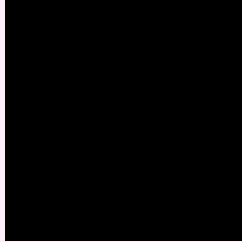
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

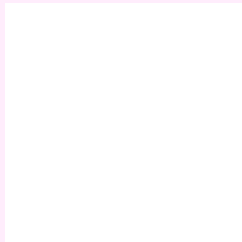
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 88.8566, 0.3154, 0.3145**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.8566, 0.3154, 0.3145.



This preview shows how white text looks on a background with the Yxy color 88.8566, 0.3154, 0.3145.

# 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

88.8566, 0.3154, 0.3145

### Protanopia

89.1210, 0.3062, 0.3162

### Deuteranopia

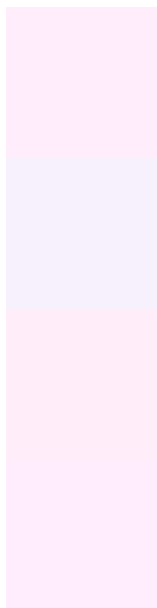
88.6679, 0.3172, 0.3174



## Tritanopia

89.0484, 0.3135, 0.3117

# Trichromacy



## Original Color

88.8566, 0.3154, 0.3145

## Protanomaly

89.1862, 0.3094, 0.3163

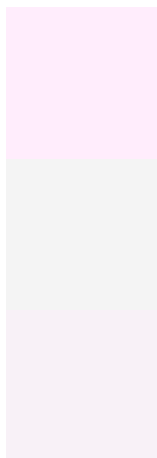
## Deuteranomaly

88.7305, 0.3166, 0.3164

## Tritanomaly

88.9841, 0.3141, 0.3126

# Monochromacy



## Original Color

88.8566, 0.3154, 0.3145

## Achromatopsia

90.4661, 0.3127, 0.3290

## Achromatomaly

89.5825, 0.3136, 0.3231

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.8566, 0.3154, 0.3145 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, 237, 252)` looks like.

```
.text, #text, p{  
    color:rgb(255, 237, 252)  
}
```

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, 237, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 237, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 88.8566, 0.3154, 0.3145 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, 237, 252) }
```

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

```
.border{ border-color:rgb(255, 237, 252) }
```

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

Here you see how a box with a 4 pixel rgb(255, 237, 252) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 237, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 237, 252);  
box-shadow:4px 4px 4px 4px rgb(255, 237,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.8566, 0.3154, 0.3145 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 237, 252) }
```

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

```
.background{ background-color: rgb(255,  
237, 252) }
```

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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