

# Converting Colors

$Y_{xy}(90.9027, 0.3680, 0.3848)$

Have a look what the booklet for  
Yxy(90.9027, 0.3680, 0.3848)  
contains.

<b>Yxy(88.2250, 0.3582, 0.3870)</b> .....	3
<b>Conversions</b> .....	4
<b>Details</b> .....	6
<b>Harmonies</b> .....	12
<b>Previews</b> .....	24
<b>Color Blindness Simulation</b> .....	27
<b>CSS Examples</b> .....	30

# Color

**Yxy(88.2250, 0.3582, 0.3870)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF2B8
RGB	255, 242, 184
RGB Percent	100%, 95%, 72%
CMY	0.0000, 0.0510, 0.2783
CMYK	0.00, 0.05, 0.28, 0.00
HSL	49°, 100%, 86%
HSV	49°, 28%, 100%
XYZ	81.6594, 88.2250, 58.0872
YIQ	239.2750, 26.3660, -15.2820

# Conversions

## Conversions Part 2

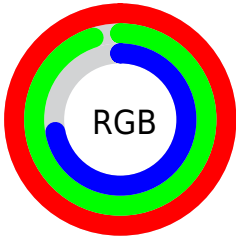
Format	Color
R <sub>Y</sub> B	200, 255, 184
Decimal	16773816
CIE Lab	95.26, -4.22, 29.61
CIE LCh	95, 29.912, 98.116
Yxy	88.2250, 0.3582, 0.3870
Android (android.graphics.Color)	4294963896 (0xFFFFF2B8)
YUV	239.2750, -27.2506, 13.7908
Hunter-Lab	93.9282, -9.1897, 29.0835

# Details

The Yxy color  $88.2250, 0.3582, 0.3870$  is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be  $57.3643, 0.2654, 0.2634$ , and the grayscale version is  $86.7394, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $99.0713, 0.3214, 0.3434$ , and  $48.7623, 0.3677, 0.3990$  is the 20% darker color. If you saturate the color by 10%, you get  $84.4974, 0.3758, 0.4080$ , and if you desaturate by 10%, it is  $92.2058, 0.3410, 0.3657$ .

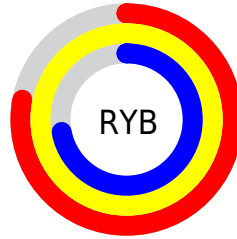
# Distribution



Red (100%)

Green (95%)

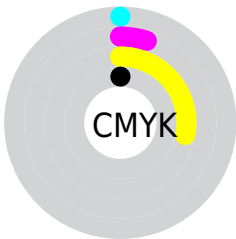
Blue (72%)



Red (78%)

Yellow (100%)

Blue (72%)

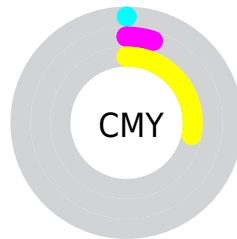


Cyan (0%)

Magenta (5%)

Yellow (28%)

Black (0%)



Cyan (0%)

Magenta (5%)


Yellow (28%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 88.2250, 0.3582, 0.3870 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 88.2250, 0.3582, 0.3870 by changing the saturation by 10% instead.





 88.2250, 0.3582,  
0.3870

 88.2250, 0.3582,  
0.3870


522.2398, 0.3382,  
0.3610

 66.5094, 0.3625,  
0.3927

 144.8704, 0.3515,  
0.3782

 48.6861, 0.3677,  
0.3996


180.5689, 0.3488,  
0.3747

 34.3705, 0.3740,  
0.4081


221.6973, 0.3464,  
0.3717

 23.1784, 0.3819,  
0.4188

268.6399, 0.3444,  
0.3690

 14.7253, 0.3918,  
0.4327

321.7810, 0.3426,  
0.3667

 8.6268, 0.4046,  
0.4510

381.5051, 0.3409,

 4.4986, 0.4209,

0.3646

0.4760

448.1966, 0.3395,  
0.3627

■ 1.9562, 0.4635,  
0.5365

■ 0.5818, 0.4361,  
0.5639

■ 88.2250, 0.3582,  
0.3870

■ 88.2250, 0.3582,  
0.3870

■ 84.4974, 0.3758,  
0.4080

■ 92.2058, 0.3410,  
0.3657

■ 81.0282, 0.3933,  
0.4277

■ 96.4660, 0.3247,  
0.3448

■ 77.8001, 0.4100,  
0.4452

100.0000, 0.3127,  
0.3290

■ 74.8000, 0.4252,  
0.4594

■ 72.0132, 0.4381,  
0.4695

■ 69.4220, 0.4482,  
0.4749

■ 67.0034, 0.4553,  
0.4757

■ 66.4947, 0.4567,  
0.4756

# Harmonies

## Analogous

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



88.2250, 0.3772, 0.3704



88.2250, 0.3582, 0.3870



88.2250, 0.3275, 0.3876

# Triad

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



88.2250, 0.3582, 0.3870



88.2250, 0.2513, 0.3075



88.2250, 0.3295, 0.2928

# Complementary

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



88.2250, 0.3582, 0.3870



57.3643, 0.2654, 0.2634

# 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.



88.2250, 0.2953, 0.2774



88.2250, 0.3582, 0.3870



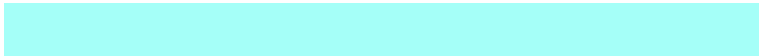
88.2250, 0.2517, 0.2842

# Square

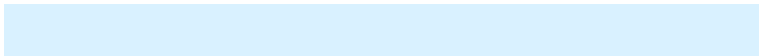
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



88.2250, 0.3582, 0.3870



88.2250, 0.2664, 0.3393



88.2250, 0.2673, 0.2739

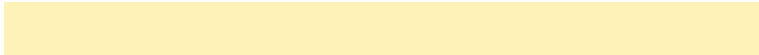


88.2250, 0.3605, 0.3168

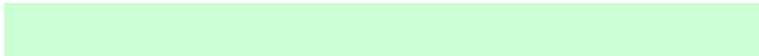


# Rectangle

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



88.2250, 0.3582, 0.3870



88.2250, 0.3048, 0.3776



88.2250, 0.2673, 0.2739



88.2250, 0.3179, 0.2865

# Sweetspot

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



88.2197, 0.3582, 0.3870



96.3921, 0.3250, 0.3452



59.5859, 0.3627, 0.3156



20.4910, 0.3274, 0.3483



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

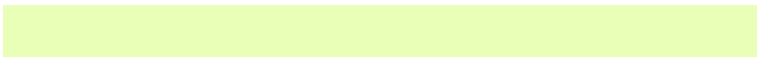
The Same Dimension uses a secret algorithm to generate beautiful new colors.



88.2197, 0.3582, 0.3870



86.2637, 0.3672, 0.3979



92.2258, 0.3398, 0.4025



20.4910, 0.3274, 0.3483



34.9492, 0.4560, 0.4761



3.5432, 0.4510, 0.4801



# Inverse Universe

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



57.3643, 0.2654, 0.2634



51.0957, 0.2555, 0.2490



54.7068, 0.2795, 0.2516



17.9162, 0.2979, 0.3090



4.9783, 0.1547, 0.0767



0.6227, 0.1598, 0.0951



# Previews

## White Background



This preview shows how the Yxy color 88.2250, 0.3582, 0.3870 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 88.2250, 0.3582, 0.3870 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

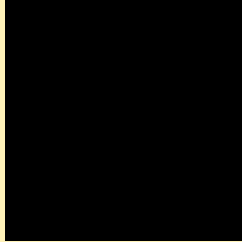
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 88.2250, 0.3582, 0.3870**

## **Background**



This preview shows how black text looks on a background with the Yxy color 88.2250, 0.3582, 0.3870.



This preview shows how white text looks on a background with the Yxy color 88.2250, 0.3582, 0.3870.

# 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

88.2250, 0.3582, 0.3870

### Protanopia

88.1561, 0.3507, 0.3740

### Deuteranopia

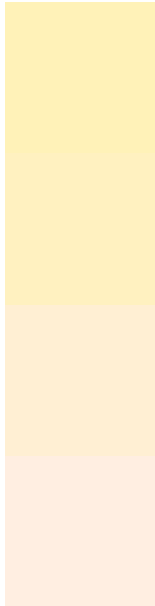
87.9001, 0.3317, 0.3409



## Tritanopia

88.0282, 0.3179, 0.3174

# Trichromacy



## Original Color

88.2250, 0.3582, 0.3870

## Protanomaly

87.9764, 0.3533, 0.3781

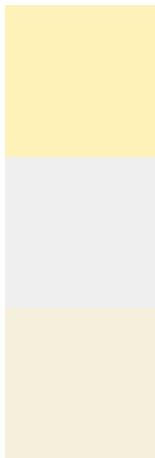
## Deuteranomaly

87.6962, 0.3413, 0.3569

## Tritanomaly

87.8453, 0.3324, 0.3419

# Monochromacy



## Original Color

88.2250, 0.3582, 0.3870

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

86.8471, 0.3291, 0.3503

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 88.2250, 0.3582, 0.3870 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, 242, 184)` looks like.

```
.text, #text, p{  
    color:rgb(255, 242, 184)  
}
```

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, 242, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 242, 184) }
```

## Border

The CSS property to change the border of an element to Yxy 88.2250, 0.3582, 0.3870 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, 242, 184) }
```

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

```
.border{ border-color:rgb(255, 242, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 242, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(255, 242, 184); -webkit-box-shadow:4px 4px 4px 4px rgb(255, 242, 184); box-shadow:4px 4px 4px 4px rgb(255, 242, 184) }
```



# Background

The CSS property to change the background color of an element to Yxy 88.2250, 0.3582, 0.3870 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 242, 184) }
```

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

```
.background{ background-color: rgb(255,  
242, 184) }
```

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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