

# Converting Colors

Yxy(92.8536, 0.4154, 0.4447)

Have a look what the booklet for  
Yxy(92.8536, 0.4154, 0.4447)  
contains.

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# Color

**Yxy(87.7797, 0.3975, 0.4536)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF572
RGB	255, 245, 114
RGB Percent	100%, 96%, 45%
CMY	0.0001, 0.0392, 0.5528
CMYK	0.00, 0.04, 0.55, 0.00
HSL	56°, 100%, 72%
HSV	56°, 55%, 100%
XYZ	76.9233, 87.7797, 28.8148
YIQ	233.0560, 48.0110, -38.6210

# Conversions

## Conversions Part 2

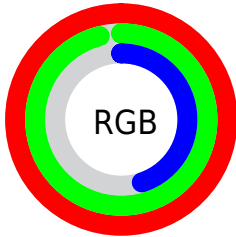
<b>Format</b>	<b>Color</b>
<b>R<sub>Y</sub>B</b>	125, 255, 114
Decimal	16774514
CIE Lab	95.07, -12.79, 63.09
CIE LCh	95, 64.375, 101.458
Yxy	87.7797, 0.3975, 0.4536
Android (android.graphics.Color)	4294964594 (0xFFFFF572)
YUV	233.0560, -58.6946, 19.2449
Hunter-Lab	93.6908, -17.4044, 47.3488

# Details

The Yxy color **87.7797, 0.3975, 0.4536** is a light color, and the websafe version is hex **FFFF66**. A complement of this color would be **25.2085, 0.2075, 0.1625**, and the grayscale version is **81.9549, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.6446, 0.3638, 0.4134**, and **48.4467, 0.4114, 0.4774** is the 20% darker color. If you saturate the color by 10%, you get **86.1968, 0.4098, 0.4701**, and if you desaturate by 10%, it is **89.5431, 0.3834, 0.4338**.

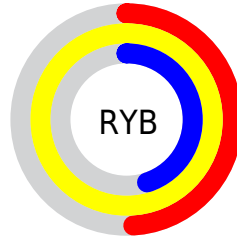
# Distribution



Red (100%)

Green (96%)

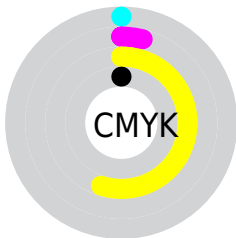
Blue (45%)



Red (49%)

Yellow (100%)

Blue (45%)

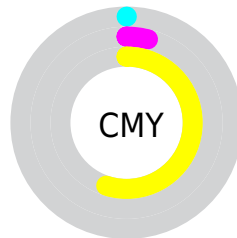


Cyan (0%)

Magenta (4%)

Yellow (55%)

Black (0%)



Cyan (0%)

Magenta (4%)


Yellow (55%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 87.7797, 0.3975, 0.4536 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 87.7797, 0.3975, 0.4536 by changing the saturation by 10% instead.




 87.7797, 0.3975,  
0.4536


 87.7797, 0.3975,  
0.4536


520.7815, 0.3629,  
0.3992

 66.1406, 0.4039,  
0.4647


 144.2504, 0.3866,  
0.4357

 48.3866, 0.4110,  
0.4776


 179.8509, 0.3821,  
0.4284

 34.1331, 0.4187,  
0.4927

 220.8739, 0.3780,  
0.4221

 22.9959, 0.4266,  
0.5100

267.7039, 0.3743,  
0.4164

 14.5905, 0.4334,  
0.5295

320.7252, 0.3710,  
0.4114

 8.5325, 0.4427,  
0.5573

380.3224, 0.3680,

 4.4375, 0.4315,

0.4069

0.5685

446.8797, 0.3653,  
0.4029

■ 1.9212, 0.4129,  
0.5871

■ 0.5611, 0.2827,  
0.7173

■ 87.7797, 0.3975,  
0.4536

■ 87.7797, 0.3975,  
0.4536

■ 86.1968, 0.4098,  
0.4701

■ 89.5431, 0.3834,  
0.4338

■ 84.7684, 0.4196,  
0.4826

■ 91.4872, 0.3680,  
0.4117


■ 83.4825, 0.4267,  
0.4906

■ 93.6270, 0.3521,  
0.3883

■ 82.3190, 0.4311,  
0.4941

■ 95.9727, 0.3361,  
0.3645

 81.7989, 0.4325,  
0.4948

 98.5338, 0.3206,  
0.3410

99.9949, 0.3127,  
0.3290

# Harmonies

## Analogous

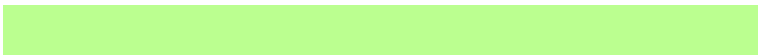
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



87.7797, 0.4450, 0.4129



87.7797, 0.3975, 0.4536



87.7797, 0.3305, 0.4599

# Triad

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



87.7797, 0.3975, 0.4536



87.7797, 0.1878, 0.2717



87.7797, 0.3549, 0.2605

# Complementary

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



87.7797, 0.3975, 0.4536



25.2085, 0.2075, 0.1625

# 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.



87.7797, 0.2813, 0.2291



87.7797, 0.3975, 0.4536



87.7797, 0.1925, 0.2309

# Square

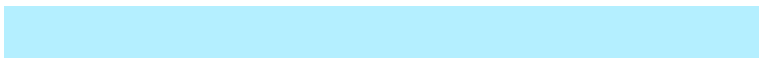
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



87.7797, 0.3975, 0.4536



87.7797, 0.2113, 0.3397



87.7797, 0.2243, 0.2180



87.7797, 0.4223, 0.3065

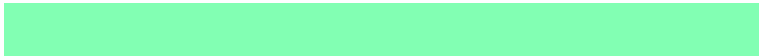


# Rectangle

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



87.7797, 0.3975, 0.4536



87.7797, 0.2839, 0.4356



87.7797, 0.2243, 0.2180



87.7797, 0.3296, 0.2481

# Sweetspot

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



87.7838, 0.3975, 0.4536



95.5771, 0.3388, 0.3686



34.7956, 0.4658, 0.3178



20.3545, 0.3420, 0.3734



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

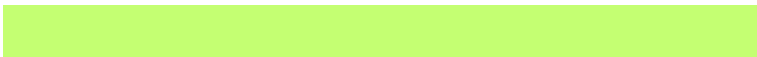
The Same Dimension uses a secret algorithm to generate beautiful new colors.



87.7838, 0.3975, 0.4536



86.1096, 0.4105, 0.4712



84.4867, 0.3519, 0.4825



20.8580, 0.3271, 0.3509



42.8452, 0.4323, 0.4950



4.2349, 0.4306, 0.4963



# Inverse Universe

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



25.2085, 0.2075, 0.1625



18.0782, 0.1868, 0.1281



28.1147, 0.2467, 0.1682



17.5837, 0.2978, 0.3062



4.0737, 0.1512, 0.0643

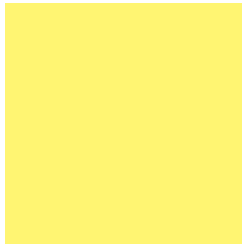


0.4651, 0.1539, 0.0740



# Previews

## White Background



This preview shows how the Yxy color 87.7797, 0.3975, 0.4536 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 87.7797, 0.3975, 0.4536 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

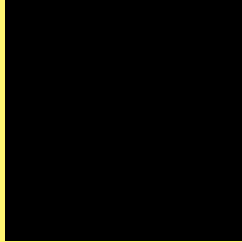
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 87.7797, 0.3975, 0.4536**

## **Background**



This preview shows how black text looks on a background with the Yxy color 87.7797, 0.3975, 0.4536.

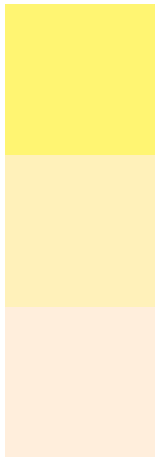


This preview shows how white text looks on a background with the Yxy color 87.7797, 0.3975, 0.4536.

# 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**

87.7797, 0.3975, 0.4536

**Protanopia**

87.7158, 0.3571, 0.3841

**Deuteranopia**

87.5764, 0.3356, 0.3469



## Tritanopia

87.8435, 0.3198, 0.3203

# Trichromacy



## Original Color

87.7797, 0.3975, 0.4536



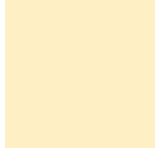
## Protanomaly

87.3023, 0.3732, 0.4107



## Deuteranomaly

87.5068, 0.3604, 0.3891



## Tritanomaly

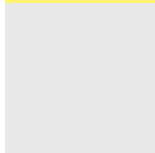
87.0242, 0.3505, 0.3711

# Monochromacy



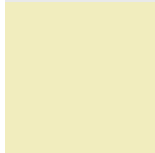
## Original Color

87.7797, 0.3975, 0.4536



## Achromatopsia

81.4847, 0.3127, 0.3290



## Achromatomaly

82.9869, 0.3455, 0.3779

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 87.7797, 0.3975, 0.4536 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, 245, 114)` looks like.

```
.text, #text, p{  
    color:rgb(255, 245, 114)  
}
```

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, 245, 114) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 245, 114) }
```

## Border

The CSS property to change the border of an element to Yxy 87.7797, 0.3975, 0.4536 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, 245, 114) }
```

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

```
.border{ border-color:rgb(255, 245, 114) }
```

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

Here you see how a box with a 4 pixel rgb(255, 245, 114) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 245, 114); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 245, 114);  
box-shadow:4px 4px 4px 4px rgb(255, 245,  
114) }
```



# Background

The CSS property to change the background color of an element to Yxy 87.7797, 0.3975, 0.4536 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 245, 114) }
```

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

```
.background{ background-color: rgb(255,  
245, 114) }
```

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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