

# Converting Colors

$Yxy(98.2882, 0.3969, 0.4056)$

Have a look what the booklet for  
Yxy(98.2882, 0.3969, 0.4056)  
contains.

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# Color

**Yxy(90.3902, 0.3704, 0.4132)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFF7A2
RGB	255, 247, 162
RGB Percent	100%, 97%, 64%
CMY	0.0000, 0.0314, 0.3649
CMYK	0.00, 0.03, 0.36, 0.00
HSL	55°, 100%, 82%
HSV	55°, 36%, 100%
XYZ	81.0274, 90.3902, 47.3389
YIQ	239.7020, 32.0530, -24.7390

# Conversions

## Conversions Part 2

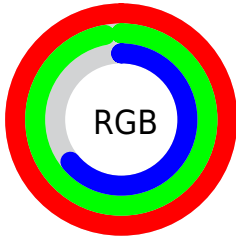
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	171, 255, 162
Decimal	16775074
CIE <sub>Lab</sub>	96.16, -9.34, 41.86
CIE <sub>LCh</sub>	96, 42.894, 102.582
Yxy	90.3902, 0.3704, 0.4132
Android (android.graphics.Color)	4294965154 (0xFFFFF7A2)
YUV	239.7020, -38.3071, 13.4163
Hunter-Lab	95.0738, -14.2509, 37.0301

# Details

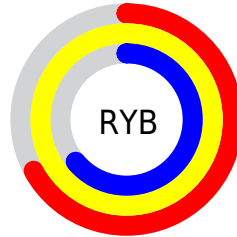
The Yxy color **90.3902, 0.3704, 0.4132** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **43.6316, 0.2471, 0.2279**, and the grayscale version is **87.1742, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8420, 0.3345, 0.3651**, and **50.2360, 0.3813, 0.4313** is the 20% darker color. If you saturate the color by 10%, you get **88.2390, 0.3859, 0.4348**, and if you desaturate by 10%, it is **92.7380, 0.3543, 0.3902**.

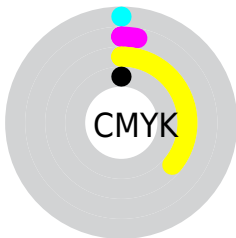
# Distribution



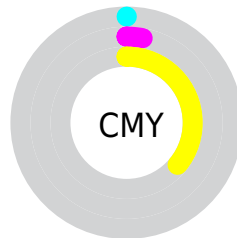
- Red (100%)
- Green (97%)
- Blue (64%)



- Red (67%)
- Yellow (100%)
- Blue (64%)



- Cyan (0%)
- Magenta (3%)
- Yellow (36%)
- Black (0%)




- Cyan (0%)
- Magenta (3%)
- Yellow (36%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.3902, 0.3704, 0.4132 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 90.3902, 0.3704, 0.4132 by changing the saturation by 10% instead.



 90.3902, 0.3704,  
0.4132


 90.3902, 0.3704,  
0.4132

529.2993, 0.3457,  
0.3757

 68.3043, 0.3755,  
0.4213


 147.8803, 0.3623,  
0.4005

 50.1454, 0.3814,  
0.4310


 184.0533, 0.3590,  
0.3955

 35.5289, 0.3885,  
0.4429


225.6907, 0.3561,  
0.3911

 24.0706, 0.3969,  
0.4576

273.1771, 0.3535,  
0.3873

 15.3860, 0.4067,  
0.4760

326.8968, 0.3512,  
0.3839

 9.0907, 0.4178,  
0.4992

387.2341, 0.3492,

 4.8004, 0.4365,

0.3808

0.5381

454.5735, 0.3474,  
0.3781

■ 2.1306, 0.4353,  
0.5647

■ 0.6818, 0.3812,  
0.6188

■ 90.3902, 0.3704,  
0.4132

■ 90.3902, 0.3704,  
0.4132

■ 88.2390, 0.3859,  
0.4348

■ 92.7380, 0.3543,  
0.3902

■ 86.2776, 0.4002,  
0.4541

■ 95.2973, 0.3381,  
0.3667

■ 84.4922, 0.4127,  
0.4700

■ 98.0760, 0.3225,  
0.3436

■ 82.8686, 0.4227,  
0.4818

100.0000, 0.3127,  
0.3290

■ 81.3903, 0.4299,  
0.4891

■ 80.0366, 0.4344,  
0.4920

■ 79.5796, 0.4356,  
0.4924

# Harmonies

## Analogous

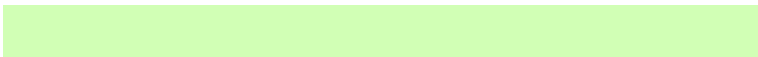
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.3902, 0.4014, 0.3904



90.3902, 0.3704, 0.4132



90.3902, 0.3252, 0.4120

# Triad

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



90.3902, 0.3704, 0.4132



90.3902, 0.2261, 0.2913



90.3902, 0.3433, 0.2830

# Complementary

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



90.3902, 0.3704, 0.4132



43.6316, 0.2471, 0.2279

# 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.



90.3902, 0.2943, 0.2600



90.3902, 0.3704, 0.4132



90.3902, 0.2299, 0.2622

# Square

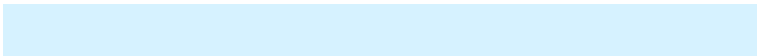
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



90.3902, 0.3704, 0.4132



90.3902, 0.2432, 0.3357



90.3902, 0.2538, 0.2521

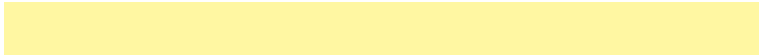


90.3902, 0.3861, 0.3167

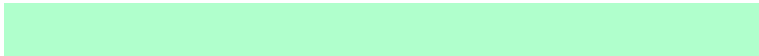


# Rectangle

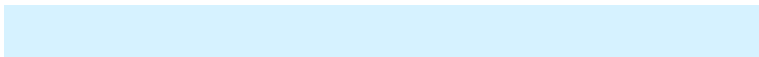
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



90.3902, 0.3704, 0.4132



90.3902, 0.2936, 0.3951



90.3902, 0.2538, 0.2521



90.3902, 0.3268, 0.2739

# Sweetspot

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



90.3887, 0.3704, 0.4132



96.7941, 0.3295, 0.3540



50.0368, 0.3928, 0.3194



20.6374, 0.3316, 0.3571



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

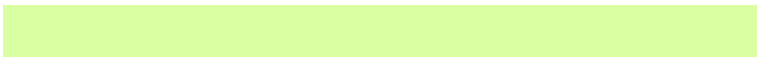
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.3887, 0.3704, 0.4132



88.7554, 0.3821, 0.4297



88.9993, 0.3424, 0.4285



20.8077, 0.3271, 0.3505



41.6930, 0.4353, 0.4926



4.1349, 0.4332, 0.4942



# Inverse Universe

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



43.6316, 0.2471, 0.2279



35.6438, 0.2314, 0.2029



45.2127, 0.2725, 0.2258



17.6287, 0.2979, 0.3065



4.1565, 0.1515, 0.0654

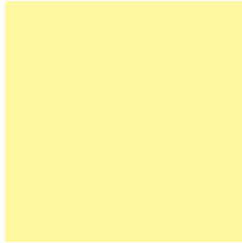


0.4863, 0.1547, 0.0770



# Previews

## White Background



This preview shows how the Yxy color 90.3902, 0.3704, 0.4132 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

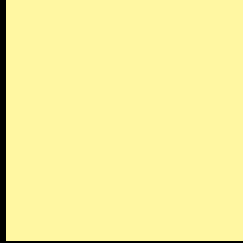
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 90.3902, 0.3704, 0.4132 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

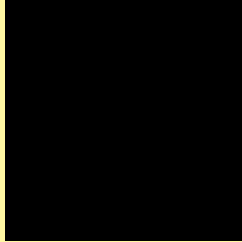
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 90.3902, 0.3704, 0.4132**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.3902, 0.3704, 0.4132.

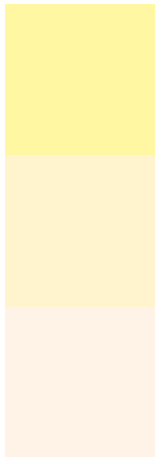


This preview shows how white text looks on a background with the Yxy color 90.3902, 0.3704, 0.4132.

# 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

90.3902, 0.3704, 0.4132

### Protanopia

90.4176, 0.3437, 0.3668

### Deuteranopia

90.4774, 0.3287, 0.3408



## Tritanopia

90.4197, 0.3171, 0.3203

# Trichromacy



## Original Color

90.3902, 0.3704, 0.4132



## Protanomaly

90.2825, 0.3536, 0.3838



## Deuteranomaly

90.3691, 0.3443, 0.3678



## Tritanomaly

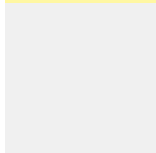
90.3709, 0.3369, 0.3547

# Monochromacy



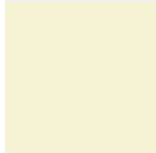
## Original Color

90.3902, 0.3704, 0.4132



## Achromatopsia

87.1367, 0.3127, 0.3290



## Achromatomaly

88.2671, 0.3332, 0.3604

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.3902, 0.3704, 0.4132 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, 247, 162)` looks like.

```
.text, #text, p{  
    color:rgb(255, 247, 162)  
}
```

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, 247, 162) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 247, 162) }
```

## Border

The CSS property to change the border of an element to Yxy 90.3902, 0.3704, 0.4132 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, 247, 162) }
```

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

```
.border{ border-color:rgb(255, 247, 162) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 247, 162)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 247, 162); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 247, 162);  
box-shadow:4px 4px 4px 4px rgb(255, 247,  
162) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.3902, 0.3704, 0.4132 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 247, 162) }
```

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

```
.background{ background-color: rgb(255,  
247, 162) }
```

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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