

# Converting Colors

$Y_{xy}(94.5690, 0.3693, 0.4209)$

Have a look what the booklet for  
Yxy(94.5690, 0.3693, 0.4209)  
contains.

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# Color

**Yxy(94.6817, 0.3692, 0.4211)**

# Conversions

## Conversions Part 1

Format	Color
Hex	FFFEA0
RGB	255, 254, 160
RGB Percent	100%, 100%, 63%
CMY	0.0002, 0.0038, 0.3726
CMYK	0.00, 0.00, 0.37, 0.00
HSL	59°, 100%, 81%
HSV	59°, 37%, 100%
XYZ	83.0123, 94.6817, 47.1497
YIQ	243.5830, 30.7700, -29.0220

# Conversions

## Conversions Part 2

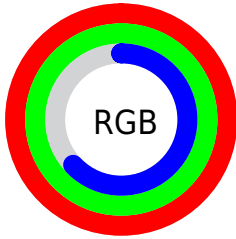
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	161, 255, 160
Decimal	16776864
CIE <sub>Lab</sub>	97.91, -13.04, 45.08
CIE <sub>LCh</sub>	98, 46.926, 106.129
Yxy	94.6817, 0.3692, 0.4211
Android (android.graphics.Color)	4294966944 (0xFFFFFEA0)
YUV	243.5830, -41.2064, 10.0127
Hunter-Lab	97.3045, -18.0012, 39.3837

# Details

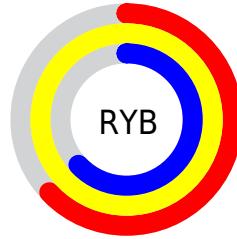
The Yxy color **94.6817, 0.3692, 0.4211** is a light color, and the websafe version is hex **FFFF99**. A complement of this color would be **40.1484, 0.2442, 0.2166**, and the grayscale version is **90.4297, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7379, 0.3358, 0.3671**, and **52.8644, 0.3797, 0.4397** is the 20% darker color. If you saturate the color by 10%, you get **93.7253, 0.3832, 0.4437**, and if you desaturate by 10%, it is **95.8299, 0.3542, 0.3967**.

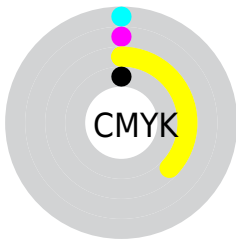
# Distribution



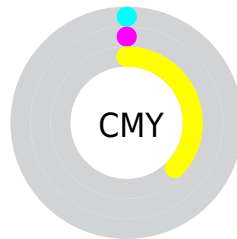
- Red (100%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (63%)



- Cyan (0%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (37%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 94.6817, 0.3692, 0.4211 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 94.6817, 0.3692, 0.4211 by changing the saturation by 10% instead.





 94.6817, 0.3692,  
0.4211


 94.6817, 0.3692,  
0.4211


543.1455, 0.3455,  
0.3802

 71.8701, 0.3739,  
0.4299


 153.8248, 0.3615,  
0.4073

 53.0526, 0.3794,  
0.4404

 190.9250, 0.3584,  
0.4019

 37.8447, 0.3858,  
0.4532


233.5570, 0.3556,  
0.3971

 25.8622, 0.3932,  
0.4690

282.1050, 0.3531,  
0.3929

 16.7206, 0.4016,  
0.4887

336.9534, 0.3509,  
0.3892

 10.0355, 0.4103,  
0.5133

398.4867, 0.3489,

 5.4225, 0.4248,

0.3859

0.5536

467.0893, 0.3472,  
0.3829

■ 2.4972, 0.4180,  
0.5820

■ 0.8752, 0.3698,  
0.6302

■ 94.6817, 0.3692,  
0.4211

■ 94.6817, 0.3692,  
0.4211

■ 93.7253, 0.3832,  
0.4437

■ 95.8299, 0.3542,  
0.3967

■ 92.9364, 0.3955,  
0.4637

■ 97.1672, 0.3388,  
0.3716

■ 92.3070, 0.4057,  
0.4800

■ 98.7076, 0.3235,  
0.3467

■ 91.8227, 0.4133,  
0.4921

99.9907, 0.3127,  
0.3290

■ 91.4669, 0.4182,  
0.4997

■ 91.2181, 0.4206,  
0.5033

■ 91.1596, 0.4211,  
0.5039

# Harmonies

## Analogous

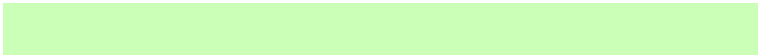
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



94.6817, 0.4052, 0.3983



94.6817, 0.3692, 0.4211



94.6817, 0.3197, 0.4167

# Triad

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



94.6817, 0.3692, 0.4211



94.6817, 0.2194, 0.2835



94.6817, 0.3517, 0.2835

# Complementary

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



94.6817, 0.3692, 0.4211



40.1484, 0.2442, 0.2166

# 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.



94.6817, 0.2988, 0.2574



94.6817, 0.3692, 0.4211



94.6817, 0.2260, 0.2549

# Square

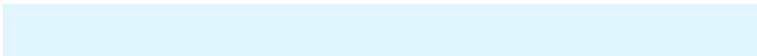
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



94.6817, 0.3692, 0.4211



94.6817, 0.2348, 0.3298



94.6817, 0.2537, 0.2468



94.6817, 0.3961, 0.3202

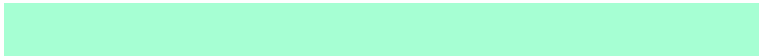


# Rectangle

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



94.6817, 0.3692, 0.4211



94.6817, 0.2861, 0.3960



94.6817, 0.2537, 0.2468



94.6817, 0.3341, 0.2734

# Sweetspot

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



94.6860, 0.3692, 0.4211



98.1484, 0.3292, 0.3560



48.9804, 0.4031, 0.3276



20.9627, 0.3313, 0.3594



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

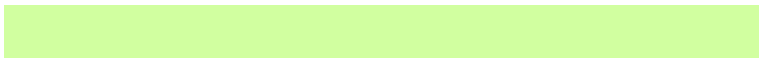
The Same Dimension uses a secret algorithm to generate beautiful new colors.



94.6860, 0.3692, 0.4211



93.9671, 0.3801, 0.4389



87.5889, 0.3377, 0.4325



21.0585, 0.3269, 0.3523



47.6678, 0.4210, 0.5039



4.6507, 0.4208, 0.5041



# Inverse Universe

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



40.1484, 0.2442, 0.2166



31.9768, 0.2274, 0.1890



45.4586, 0.2776, 0.2252



17.4062, 0.2978, 0.3046



3.8132, 0.1502, 0.0606

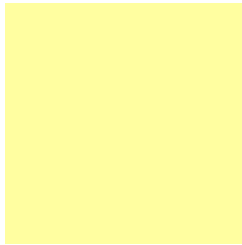


0.3809, 0.1506, 0.0620



# Previews

## White Background



This preview shows how the Yxy color 94.6817, 0.3692, 0.4211 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

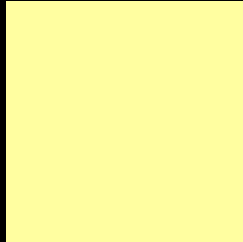
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 94.6817, 0.3692, 0.4211 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

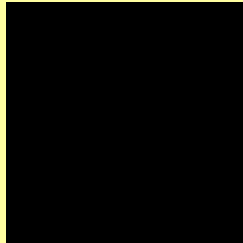
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

**Yxy 94.6817, 0.3692, 0.4211**

## **Background**



This preview shows how black text looks on a background with the Yxy color 94.6817, 0.3692, 0.4211.

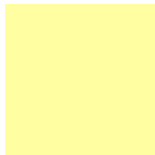


This preview shows how white text looks on a background with the Yxy color 94.6817, 0.3692, 0.4211.

# Color Blindness Simulation

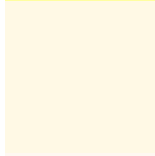
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



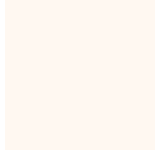
### Original Color

94.6817, 0.3692, 0.4211



### Protanopia

94.6685, 0.3286, 0.3485



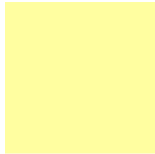
### Deuteranopia

94.7457, 0.3214, 0.3358

## Tritanopia

94.8734, 0.3143, 0.3233

# Trichromacy



## Original Color

94.6817, 0.3692, 0.4211



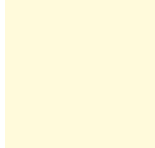
## Protanomaly

94.6140, 0.3437, 0.3753



## Deuteranomaly

94.3847, 0.3389, 0.3664



## Tritanomaly

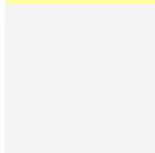
94.7457, 0.3346, 0.3594

# Monochromacy



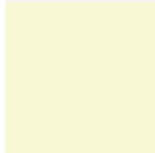
## Original Color

94.6817, 0.3692, 0.4211



## Achromatopsia

90.4661, 0.3127, 0.3290



## Achromatomaly

91.8954, 0.3339, 0.3640

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 94.6817, 0.3692, 0.4211 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, 254, 160)` looks like.

```
.text, #text, p{  
    color:rgb(255, 254, 160)  
}
```

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, 254, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 160) }
```

## Border

The CSS property to change the border of an element to Yxy 94.6817, 0.3692, 0.4211 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, 254, 160) }
```

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

```
.border{ border-color:rgb(255, 254, 160) }
```

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

Here you see how a box with a 4 pixel rgb(255, 254, 160) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 160);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
160) }
```



# Background

The CSS property to change the background color of an element to Yxy 94.6817, 0.3692, 0.4211 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 254, 160) }
```

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

```
.background{ background-color: rgb(255,  
254, 160) }
```

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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