

# Converting Colors

$Yxy(91.3442, 0.3299, 0.3711)$

Have a look what the booklet for  
Yxy(91.3442, 0.3299, 0.3711)  
contains.

<b>Yxy(91.3254, 0.3301, 0.3708)</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(91.3254, 0.3301, 0.3708)**

# Conversions

## Conversions Part 1

<b>Format</b>	<b>Color</b>
Hex	EFFAD1
RGB	239, 250, 209
RGB Percent	94%, 98%, 82%
CMY	0.0626, 0.0196, 0.1804
CMYK	0.04, 0.00, 0.16, 0.02
HSL	76°, 80%, 90%
HSV	76°, 16%, 98%
XYZ	81.3013, 91.3254, 73.6662
YIQ	242.0370, 6.6050, -15.0830

# Conversions

## Conversions Part 2

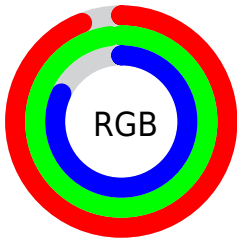
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	209, 250, 220
Decimal	15727313
CIE <sub>Lab</sub>	96.54, -10.47, 18.46
CIE <sub>LCh</sub>	97, 21.227, 119.558
Yxy	91.3254, 0.3301, 0.3708
Android (android.graphics.Color)	4293917393 (0xFFEFFAD1)
YUV	242.0370, -16.2872, -2.6634
Hunter-Lab	95.5643, -15.3788, 21.1911

# Details

The Yxy color **91.3254, 0.3301, 0.3708** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **67.7144, 0.2934, 0.2856**, and the grayscale version is **88.9586, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.9839, 0.3340, 0.3813** is the 20% darker color. If you saturate the color by 10%, you get **89.0450, 0.3406, 0.3979**, and if you desaturate by 10%, it is **93.8511, 0.3194, 0.3448**.

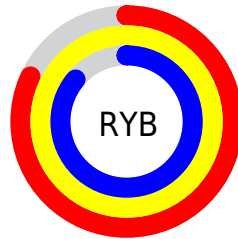
# Distribution



Red (94%)

Green (98%)

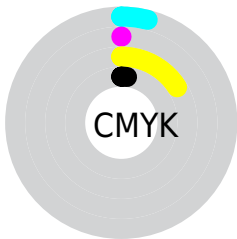
Blue (82%)



Red (82%)

Yellow (98%)

Blue (86%)

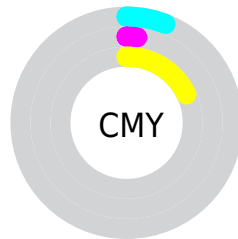


Cyan (4%)

Magenta (0%)

Yellow (16%)

Black (2%)



Cyan (6%)

Magenta (2%)

Yellow (18%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 91.3254, 0.3301, 0.3708 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 91.3254, 0.3301, 0.3708 by changing the saturation by 10% instead.



 91.3254, 0.3301,  
0.3708

 91.3254, 0.3301,  
0.3708


532.3330, 0.3226,  
0.3519

 69.0805, 0.3317,  
0.3750

149.1781, 0.3276,  
0.3643

 50.7772, 0.3336,  
0.3802


185.5546, 0.3266,  
0.3618

 36.0313, 0.3360,  
0.3866


227.4104, 0.3257,  
0.3596

 24.4584, 0.3389,  
0.3949

275.1299, 0.3249,  
0.3577

 15.6740, 0.3425,  
0.4059

329.0975, 0.3242,  
0.3560

 9.2938, 0.3473,  
0.4212

389.6977, 0.3236,

 4.9333, 0.3537,

0.3545

0.4439

457.3147, 0.3231,  
0.3531

2.2082, 0.3635,  
0.4827

0.7244, 0.3741,  
0.6259

91.3254, 0.3301,  
0.3708

91.3254, 0.3301,  
0.3708

89.0450, 0.3406,  
0.3979

93.8511, 0.3194,  
0.3448

86.9884, 0.3506,  
0.4254

96.3584, 0.3113,  
0.3242

85.1493, 0.3596,  
0.4523

96.8478, 0.3129,  
0.3242

83.5167, 0.3670,  
0.4775

■ 82.0783, 0.3723,  
0.4998

■ 80.8202, 0.3751,  
0.5181

■ 79.7262, 0.3754,  
0.5317

■ 78.7764, 0.3731,  
0.5405

■ 78.4585, 0.3720,  
0.5429

# Harmonies

## Analogous

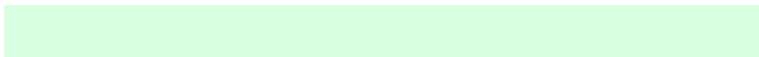
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



91.3254, 0.3497, 0.3676



91.3254, 0.3301, 0.3708



91.3254, 0.3063, 0.3617

# Triad

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



91.3254, 0.3301, 0.3708



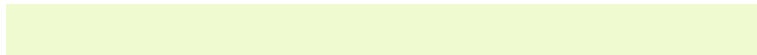
91.3254, 0.2680, 0.3016



91.3254, 0.3407, 0.3152

# Complementary

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



91.3254, 0.3301, 0.3708



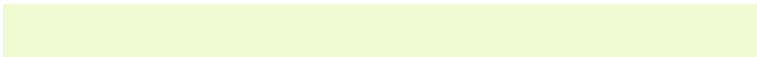
67.7144, 0.2934, 0.2856

# Split Complementary

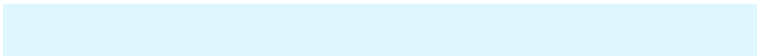
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



91.3254, 0.3178, 0.2992



91.3254, 0.3301, 0.3708



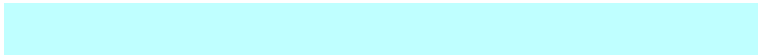
91.3254, 0.2763, 0.2910

# Square

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



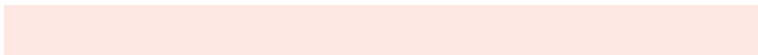
91.3254, 0.3301, 0.3708



91.3254, 0.2711, 0.3204



91.3254, 0.2943, 0.2904

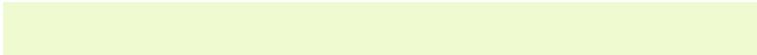


91.3254, 0.3562, 0.3350

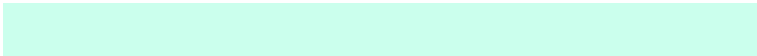


# Rectangle

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



91.3254, 0.3301, 0.3708



91.3254, 0.2914, 0.3499



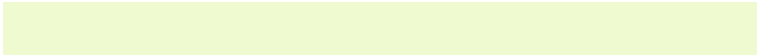
91.3254, 0.2943, 0.2904



91.3254, 0.3336, 0.3093

# Sweetspot

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



91.3294, 0.3301, 0.3708



98.5654, 0.3180, 0.3413



76.0793, 0.3422, 0.3403



21.0550, 0.3187, 0.3431



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

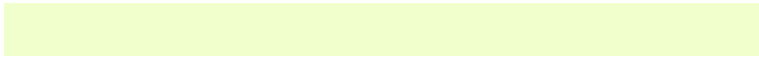


# Same Dimension

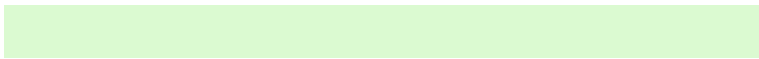
The Same Dimension uses a secret algorithm to generate beautiful new colors.



91.3294, 0.3301, 0.3708



94.6459, 0.3340, 0.3805



87.9648, 0.3167, 0.3726



19.9438, 0.3227, 0.3527



41.6931, 0.3727, 0.5422



3.9133, 0.3785, 0.5377



# Inverse Universe

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



67.7144, 0.2934, 0.2856



65.2539, 0.2884, 0.2750



71.1059, 0.3078, 0.2874



16.8673, 0.3021, 0.3048



4.3501, 0.1662, 0.0689

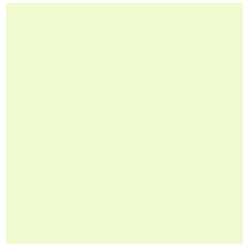


0.4524, 0.1781, 0.0755



# Previews

## White Background



This preview shows how the Yxy color 91.3254, 0.3301, 0.3708 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

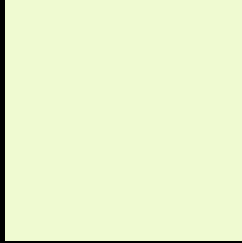
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 91.3254, 0.3301, 0.3708 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

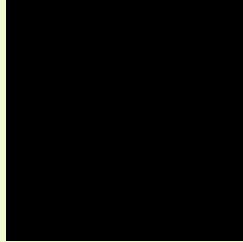
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

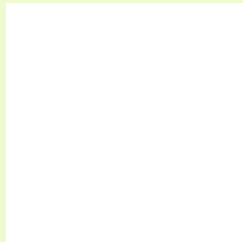
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 91.3254, 0.3301, 0.3708**

## **Background**



This preview shows how black text looks on a background with the Yxy color 91.3254, 0.3301, 0.3708.

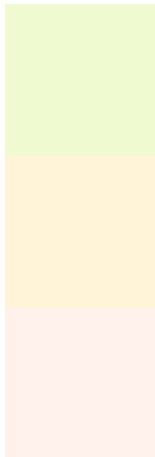


This preview shows how white text looks on a background with the Yxy color 91.3254, 0.3301, 0.3708.

# 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

91.3254, 0.3301, 0.3708

### Protanopia

90.9192, 0.3373, 0.3567

### Deuteranopia

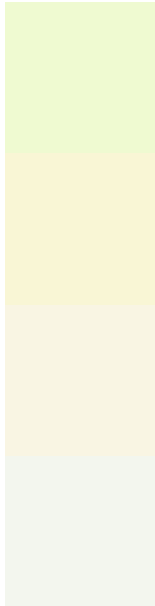
90.8787, 0.3244, 0.3339



## Tritanopia

91.5142, 0.3075, 0.3183

# Trichromacy



## Original Color

91.3254, 0.3301, 0.3708

## Protanomaly

90.8554, 0.3349, 0.3621

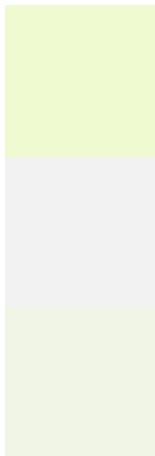
## Deuteranomaly

90.9906, 0.3263, 0.3469

## Tritanomaly

91.1393, 0.3156, 0.3370

# Monochromacy



## Original Color

91.3254, 0.3301, 0.3708

## Achromatopsia

88.7923, 0.3127, 0.3290

## Achromatomaly

89.7188, 0.3192, 0.3441

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 91.3254, 0.3301, 0.3708 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(239, 250, 209)` looks like.

```
.text, #text, p{  
    color:rgb(239, 250, 209)  
}
```

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(239, 250, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(239, 250, 209) }
```

## Border

The CSS property to change the border of an element to Yxy 91.3254, 0.3301, 0.3708 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(239, 250, 209) }
```

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

```
.border{ border-color:rgb(239, 250, 209) }
```

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

Here you see how a box with a 4 pixel rgb(239, 250, 209) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(239, 250, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(239, 250, 209);  
box-shadow:4px 4px 4px 4px rgb(239, 250,  
209) }
```



# Background

The CSS property to change the background color of an element to Yxy 91.3254, 0.3301, 0.3708 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(239, 250, 209) }
```

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

```
.background{ background-color: rgb(239,  
250, 209) }
```

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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