

# Converting Colors

$Yxy(89.2926, 0.3393, 0.3895)$

Have a look what the booklet for  
Yxy(89.2926, 0.3393, 0.3895)  
contains.

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# Color

**Yxy(89.3458, 0.3391, 0.3891)**

# Conversions

## Conversions Part 1

Format	Color
Hex	ECF9BF
RGB	236, 249, 191
RGB Percent	93%, 98%, 75%
CMY	0.0746, 0.0235, 0.2511
CMYK	0.05, 0.00, 0.23, 0.02
HSL	73°, 83%, 86%
HSV	73°, 23%, 98%
XYZ	77.8647, 89.3458, 62.4112
YIQ	238.5010, 10.8700, -20.7940

# Conversions

## Conversions Part 2

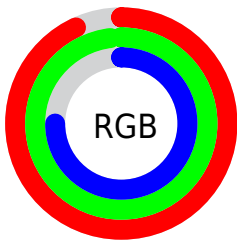
<b>Format</b>	<b>Color</b>
<b>R<sub>YB</sub></b>	191, 249, 204
Decimal	15530431
CIE <sub>Lab</sub>	95.72, -13.72, 26.49
CIE <sub>LCh</sub>	96, 29.837, 117.387
Yxy	89.3458, 0.3391, 0.3891
Android (android.graphics.Color)	4293720511 (0xFFE9BF)
YUV	238.5010, -23.4180, -2.1934
Hunter-Lab	94.5229, -18.3729, 27.0183

# Details

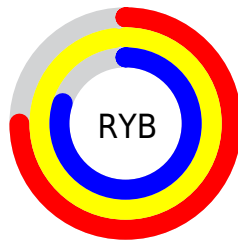
The Yxy color **89.3458, 0.3391, 0.3891** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **56.9239, 0.2820, 0.2648**, and the grayscale version is **86.0862, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.5573, 0.3168, 0.3357**, and **49.6494, 0.3446, 0.4034** is the 20% darker color. If you saturate the color by 10%, you get **87.4035, 0.3501, 0.4161**, and if you desaturate by 10%, it is **91.5123, 0.3277, 0.3625**.

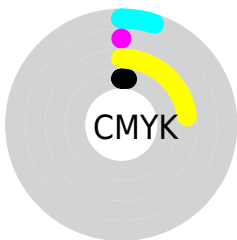
# Distribution



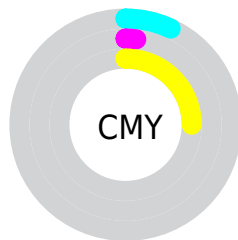
- Red (93%)
- Green (98%)
- Blue (75%)



- Red (75%)
- Yellow (98%)
- Blue (80%)



- Cyan (5%)
- Magenta (0%)
- Yellow (23%)
- Black (2%)




- Cyan (7%)
- Magenta (2%)
- Yellow (25%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.3458, 0.3391, 0.3891 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 89.3458, 0.3391, 0.3891 by changing the saturation by 10% instead.




 89.3458, 0.3391,  
0.3891

 89.3458, 0.3391,  
0.3891

525.9005, 0.3278,  
0.3617

 67.4382, 0.3415,  
0.3952


 146.4293, 0.3353,  
0.3797

 49.4408, 0.3443,  
0.4027


182.3741, 0.3338,  
0.3760

 34.9693, 0.3477,  
0.4121


223.7666, 0.3325,  
0.3728

 23.6392, 0.3518,  
0.4241

270.9914, 0.3313,  
0.3700

 15.0662, 0.3569,  
0.4401

324.4327, 0.3303,  
0.3676

 8.8659, 0.3630,  
0.4622

384.4751, 0.3294,

 4.6538, 0.3702,

0.3654

0.4942

451.5029, 0.3285,  
0.3635

■ 2.0456, 0.4039,  
0.5837

■ 0.6338, 0.2967,  
0.7033

■ 89.3458, 0.3391,  
0.3891

■ 89.3458, 0.3391,  
0.3891

■ 87.4035, 0.3501,  
0.4161

■ 91.5123, 0.3277,  
0.3625

■ 85.6639, 0.3602,  
0.4428

■ 93.9002, 0.3164,  
0.3371

■ 84.1204, 0.3689,  
0.4679

■ 95.8154, 0.3116,  
0.3233

■ 82.7614, 0.3757,  
0.4903

■ 96.2393, 0.3130,  
0.3233

■ 81.5739, 0.3801,  
0.5091

■ 80.5431, 0.3818,  
0.5233

■ 79.6506, 0.3810,  
0.5328

■ 79.1132, 0.3794,  
0.5369

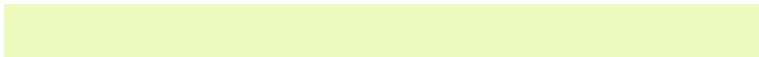
# Harmonies

## Analogous

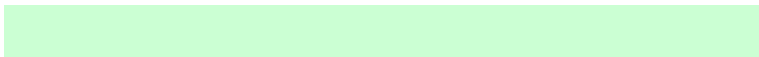
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.3458, 0.3664, 0.3822



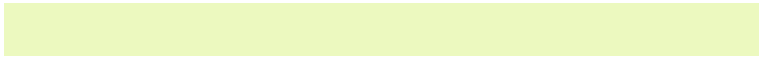
89.3458, 0.3391, 0.3891



89.3458, 0.3057, 0.3777

# Triad

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



89.3458, 0.3391, 0.3891



89.3458, 0.2502, 0.2914



89.3458, 0.3502, 0.3077

# Complementary

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



89.3458, 0.3391, 0.3891



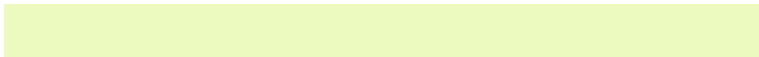
56.9239, 0.2820, 0.2648

# Split Complementary

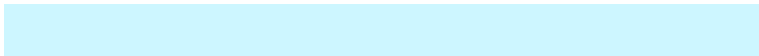
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.3458, 0.3171, 0.2864



89.3458, 0.3391, 0.3891



89.3458, 0.2604, 0.2763

# Square

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



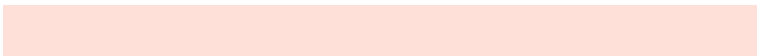
89.3458, 0.3391, 0.3891



89.3458, 0.2554, 0.3184



89.3458, 0.2843, 0.2750

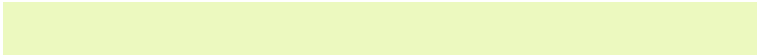


89.3458, 0.3735, 0.3346

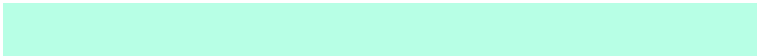


# Rectangle

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



89.3458, 0.3391, 0.3891



89.3458, 0.2845, 0.3610



89.3458, 0.2843, 0.2750



89.3458, 0.3397, 0.2997

# Sweetspot

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



89.3497, 0.3391, 0.3891



98.1513, 0.3206, 0.3463



66.8711, 0.3582, 0.3424



20.9755, 0.3213, 0.3479



0.0000, 0.0000, 0.0000

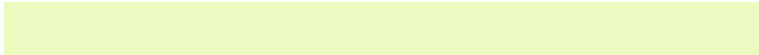


21.4041, 0.3127, 0.3290

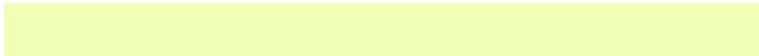


# Same Dimension

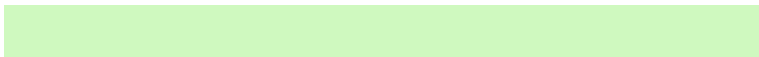
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.3497, 0.3391, 0.3891



93.3103, 0.3444, 0.4019



84.8444, 0.3201, 0.3928



19.9828, 0.3234, 0.3527



42.4092, 0.3801, 0.5364



3.9743, 0.3850, 0.5325



# Inverse Universe

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



56.9239, 0.2820, 0.2648



53.5628, 0.2746, 0.2500



61.3381, 0.3030, 0.2686



16.8308, 0.3014, 0.3047



4.1608, 0.1619, 0.0665

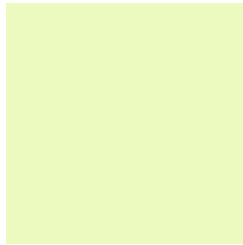


0.4303, 0.1729, 0.0726



# Previews

## White Background



This preview shows how the Yxy color 89.3458, 0.3391, 0.3891 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

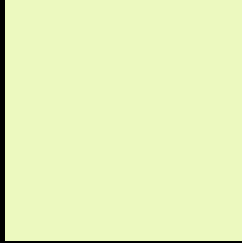
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.3458, 0.3391, 0.3891 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

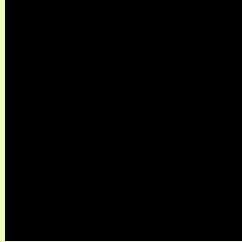
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

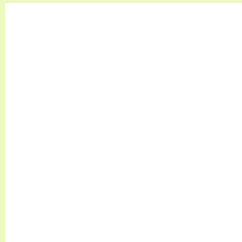
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.3458, 0.3391, 0.3891**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.3458, 0.3391, 0.3891.



This preview shows how white text looks on a background with the Yxy color 89.3458, 0.3391, 0.3891.

# 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

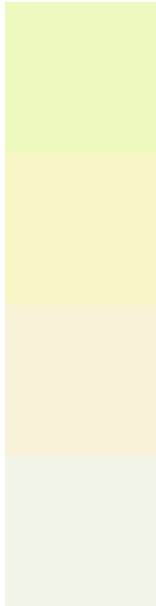




## Tritanopia

89.5431, 0.3069, 0.3153

# Trichromacy



## Original Color

89.3458, 0.3391, 0.3891

## Protanomaly

89.3385, 0.3437, 0.3765

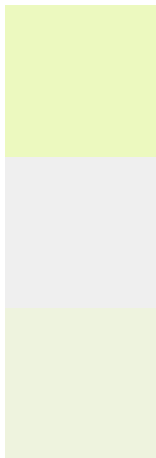
## Deuteranomaly

89.0155, 0.3327, 0.3562

## Tritanomaly

89.4048, 0.3187, 0.3411

# Monochromacy



## Original Color

89.3458, 0.3391, 0.3891

## Achromatopsia

86.3157, 0.3127, 0.3290

## Achromatomaly

87.5523, 0.3222, 0.3505

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.3458, 0.3391, 0.3891 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(236, 249, 191)` looks like.

```
.text, #text, p{  
    color:rgb(236, 249, 191)  
}
```

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(236, 249, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(236, 249, 191) }
```

## Border

The CSS property to change the border of an element to Yxy 89.3458, 0.3391, 0.3891 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(236, 249, 191) }
```

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

```
.border{ border-color:rgb(236, 249, 191) }
```

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

Here you see how a box with a 4 pixel `rgb(236, 249, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(236, 249, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(236, 249, 191);  
box-shadow:4px 4px 4px 4px rgb(236, 249,  
191) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.3458, 0.3391, 0.3891 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(236, 249, 191) }
```

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

```
.background{ background-color: rgb(236,  
249, 191) }
```

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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