

# Converting Colors

$Yxy(90.8896, 0.3211, 0.3661)$

Have a look what the booklet for  
Yxy(90.8896, 0.3211, 0.3661)  
contains.

<b>Yxy(90.8896, 0.3211, 0.3661)</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(90.8896, 0.3211, 0.3661)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E7FBD7
RGB	231, 251, 215
RGB Percent	91%, 98%, 84%
CMY	0.0942, 0.0157, 0.1567
CMYK	0.08, 0.00, 0.14, 0.02
HSL	93°, 82%, 91%
HSV	93°, 14%, 98%
XYZ	79.7177, 90.8896, 77.6571
YIQ	240.9160, -0.3640, -15.4360

# Conversions

## Conversions Part 2

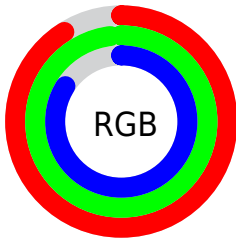
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 251, 235
Decimal	15203287
CIE Lab	96.36, -12.80, 15.04
CIE LCh	96, 19.750, 130.400
Yxy	90.8896, 0.3211, 0.3661
Android (android.graphics.Color)	4293393367 (0xFFE7FBD7)
YUV	240.9160, -12.7766, -8.6963
Hunter-Lab	95.3360, -17.5807, 18.4398

# Details

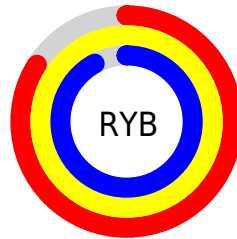
The Yxy color **90.8896, 0.3211, 0.3661** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **73.2593, 0.3032, 0.2923**, and the grayscale version is **87.9986, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **50.2356, 0.3227, 0.3743** is the 20% darker color. If you saturate the color by 10%, you get **87.4673, 0.3267, 0.3947**, and if you desaturate by 10%, it is **94.7034, 0.3153, 0.3397**.

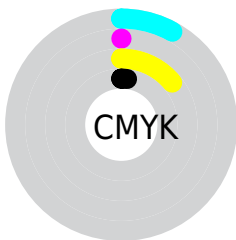
# Distribution



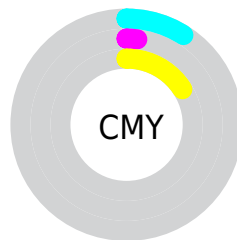
- Red (91%)
- Green (98%)
- Blue (84%)



- Red (84%)
- Yellow (98%)
- Blue (92%)



- Cyan (8%)
- Magenta (0%)
- Yellow (14%)
- Black (2%)




- Cyan (9%)
- Magenta (2%)
- Yellow (16%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 90.8896, 0.3211, 0.3661 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 90.8896, 0.3211, 0.3661 by changing the saturation by 10% instead.




 90.8896, 0.3211,  
0.3661

 90.8896, 0.3211,  
0.3661


530.9205, 0.3176,  
0.3493

 68.7187, 0.3218,  
0.3699


148.5735, 0.3199,  
0.3603

 50.4827, 0.3227,  
0.3745


184.8552, 0.3195,  
0.3580

 35.7971, 0.3238,  
0.3803


226.6094, 0.3190,  
0.3561

 24.2775, 0.3250,  
0.3878

274.2204, 0.3187,  
0.3544

 15.5396, 0.3266,  
0.3978

328.0726, 0.3184,  
0.3529

 9.1990, 0.3286,  
0.4119

388.5505, 0.3181,

 4.8712, 0.3309,

0.3515

0.4330

456.0383, 0.3178,  
0.3503

■ 2.1719, 0.3334,  
0.4681

■ 0.7046, 0.3364,  
0.6636

■ 90.8896, 0.3211,  
0.3661

■ 90.8896, 0.3211,  
0.3661

■ 87.4673, 0.3267,  
0.3947

■ 94.7034, 0.3153,  
0.3397

■ 84.4114, 0.3318,  
0.4249

■ 97.4789, 0.3129,  
0.3252

■ 81.7116, 0.3360,  
0.4559

■ 79.3528, 0.3388,  
0.4864

■ 77.3184, 0.3399,  
0.5149

■ 75.5904, 0.3390,  
0.5396

■ 74.1480, 0.3361,  
0.5591

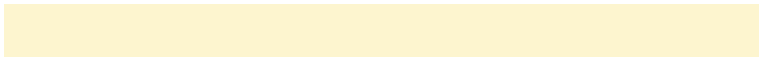
■ 72.9671, 0.3312,  
0.5724

■ 72.3961, 0.3279,  
0.5778

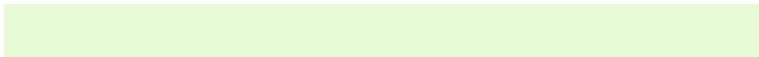
# Harmonies

## Analogous

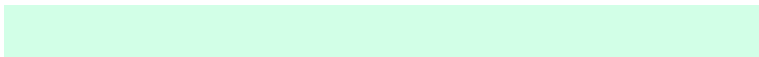
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8896, 0.3414, 0.3673



90.8896, 0.3211, 0.3661



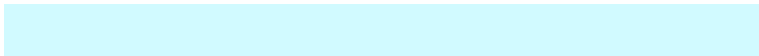
90.8896, 0.2990, 0.3539

# Triad

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



90.8896, 0.3211, 0.3661



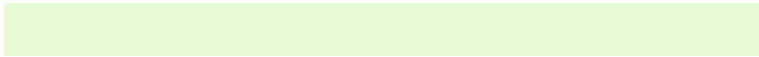
90.8896, 0.2726, 0.2989



90.8896, 0.3451, 0.3227

# Complementary

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



90.8896, 0.3211, 0.3661



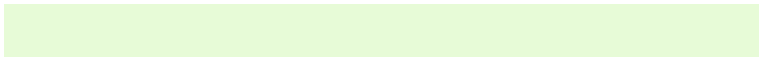
73.2593, 0.3032, 0.2923

# Split Complementary

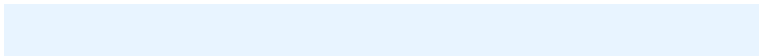
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.8896, 0.3256, 0.3059



90.8896, 0.3211, 0.3661



90.8896, 0.2839, 0.2922

# Square

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



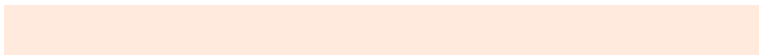
90.8896, 0.3211, 0.3661



90.8896, 0.2716, 0.3141



90.8896, 0.3032, 0.2949

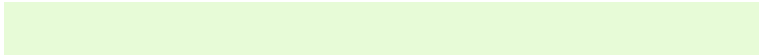


90.8896, 0.3557, 0.3414

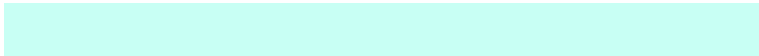


# Rectangle

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



90.8896, 0.3211, 0.3661



90.8896, 0.2863, 0.3413



90.8896, 0.3032, 0.2949



90.8896, 0.3393, 0.3167

# Sweetspot

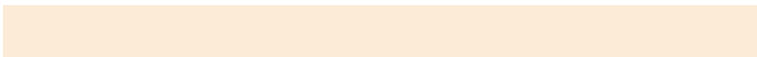
The Sweet Spot groups the original color and five complimentary colors.



90.8935, 0.3211, 0.3661



98.2993, 0.3151, 0.3389



84.7336, 0.3365, 0.3490



20.9732, 0.3155, 0.3408



0.0000, 0.0000, 0.0000

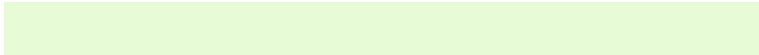


21.4041, 0.3127, 0.3290

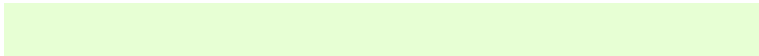


# Same Dimension

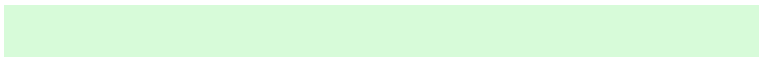
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.8935, 0.3211, 0.3661



93.2227, 0.3226, 0.3736



88.4533, 0.3099, 0.3653



19.6857, 0.3183, 0.3530



38.1350, 0.3291, 0.5769



3.5937, 0.3384, 0.5695



# Inverse Universe

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



73.2593, 0.3032, 0.2923



71.9279, 0.3012, 0.2849



75.9842, 0.3156, 0.2952



17.1195, 0.3067, 0.3051



6.6673, 0.2137, 0.0951

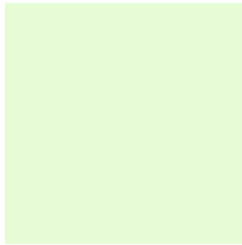


0.6804, 0.2258, 0.1018



# Previews

## White Background



This preview shows how the Yxy color 90.8896, 0.3211, 0.3661 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 90.8896, 0.3211, 0.3661 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

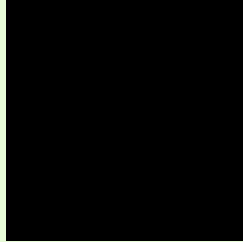
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

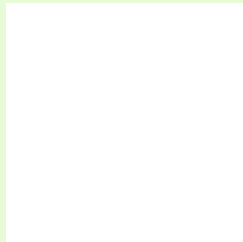
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 90.8896, 0.3211, 0.3661**

## **Background**



This preview shows how black text looks on a background with the Yxy color 90.8896, 0.3211, 0.3661.



This preview shows how white text looks on a background with the Yxy color 90.8896, 0.3211, 0.3661.

# 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](#).

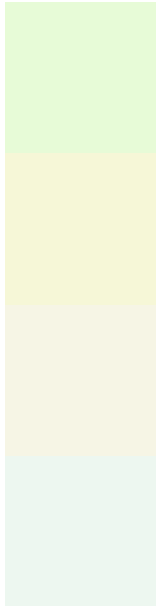
## Dichromacy



## **Tritanopia**

90.6221, 0.3043, 0.3182

# Trichromacy



## Original Color

90.8896, 0.3211, 0.3661

## Protanomaly

91.0207, 0.3315, 0.3612

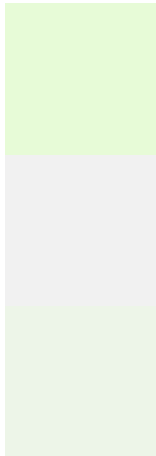
## Deuteranomaly

90.5548, 0.3231, 0.3450

## Tritanomaly

90.8173, 0.3105, 0.3360

# Monochromacy



## Original Color

90.8896, 0.3211, 0.3661

## Achromatopsia

87.9622, 0.3127, 0.3290

## Achromatomaly

89.1355, 0.3153, 0.3422

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 90.8896, 0.3211, 0.3661 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(231, 251, 215)` looks like.

```
.text, #text, p{  
    color:rgb(231, 251, 215)  
}
```

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(231, 251, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(231, 251, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 90.8896, 0.3211, 0.3661 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(231, 251, 215) }
```

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

```
.border{ border-color:rgb(231, 251, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(231, 251, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(231, 251, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(231, 251, 215);  
box-shadow:4px 4px 4px 4px rgb(231, 251,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 90.8896, 0.3211, 0.3661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(231, 251, 215) }
```

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

```
.background{ background-color: rgb(231,  
251, 215) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

**[Learn more, Memberships starting at \\$2.50/m!](#)**

**Follow me  
on Twitter!**

@ConvertingColor