

# Converting Colors

$Yxy(92.3342, 0.3202, 0.3523)$

Have a look what the booklet for  
Yxy(92.3342, 0.3202, 0.3523)  
contains.

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# Color

**Yxy(92.4425, 0.3199, 0.3521)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F0FAE3
RGB	240, 250, 227
RGB Percent	94%, 98%, 89%
CMY	0.0588, 0.0196, 0.1097
CMYK	0.04, 0.00, 0.09, 0.02
HSL	86°, 70%, 94%
HSV	86°, 9%, 98%
XYZ	83.9885, 92.4425, 86.1151
YIQ	244.3880, 1.4230, -9.2730

# Conversions

## Conversions Part 2

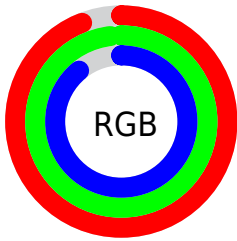
Format	Color
<b>RYB</b>	227, 250, 237
Decimal	15792867
CIELab	97.00, -7.27, 9.87
CIElCh	97, 12.260, 126.363
Yxy	92.4425, 0.3199, 0.3521
Android (android.graphics.Color)	4293982947 (0xFFFF0FAE3)
YUV	244.3880, -8.5723, -3.8483
Hunter-Lab	96.1470, -12.3299, 14.1992

# Details

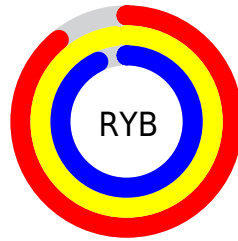
The Yxy color **92.4425, 0.3199, 0.3521** is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be **79.8732, 0.3050, 0.3058**, and the grayscale version is **90.8667, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **51.7525, 0.3211, 0.3573** is the 20% darker color. If you saturate the color by 10%, you get **89.3146, 0.3277, 0.3791**, and if you desaturate by 10%, it is **95.8933, 0.3121, 0.3270**.

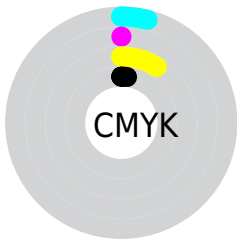
# Distribution



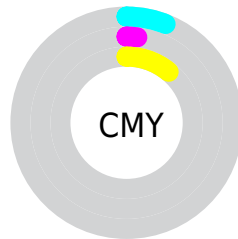
- Red (94%)
- Green (98%)
- Blue (89%)



- Red (89%)
- Yellow (98%)
- Blue (93%)



- Cyan (4%)
- Magenta (0%)
- Yellow (9%)
- Black (2%)




- Cyan (6%)
- Magenta (2%)
- Yellow (11%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 92.4425, 0.3199, 0.3521 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 92.4425, 0.3199, 0.3521 by changing the saturation by 10% instead.




 92.4425, 0.3199,  
0.3521

 92.4425, 0.3199,  
0.3521


535.9446, 0.3168,  
0.3417

 70.0082, 0.3206,  
0.3544

150.7265, 0.3189,  
0.3486

 51.5332, 0.3214,  
0.3572


187.3451, 0.3184,  
0.3472

 36.6332, 0.3224,  
0.3607


229.4605, 0.3181,  
0.3460

 24.9236, 0.3236,  
0.3652

277.4572, 0.3178,  
0.3449

 16.0201, 0.3252,  
0.3712

331.7196, 0.3175,  
0.3440

 9.5384, 0.3273,  
0.3795

392.6320, 0.3172,

 5.0940, 0.3303,

0.3431

0.3918

460.5789, 0.3170,  
0.3424

■ 2.3025, 0.3346,  
0.4121

■ 0.7750, 0.3758,  
0.5209

■ 92.4425, 0.3199,  
0.3521

■ 92.4425, 0.3199,  
0.3521

■ 89.3146, 0.3277,  
0.3791

■ 95.8933, 0.3121,  
0.3270

■ 86.4871, 0.3352,  
0.4077

■ 96.8538, 0.3129,  
0.3242

■ 83.9526, 0.3419,  
0.4370

■ 81.6992, 0.3475,  
0.4662

■ 79.7136, 0.3514,  
0.4939

■ 77.9815, 0.3533,  
0.5185

■ 76.4867, 0.3527,  
0.5389

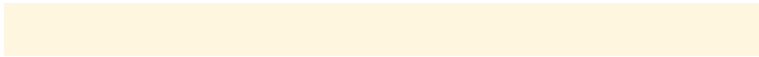
■ 75.2102, 0.3498,  
0.5540

■ 74.1246, 0.3450,  
0.5639

# Harmonies

## Analogous

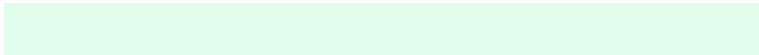
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.4425, 0.3319, 0.3522



92.4425, 0.3199, 0.3521



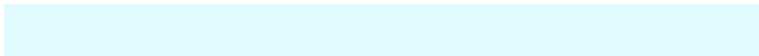
92.4425, 0.3062, 0.3455

# Triad

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



92.4425, 0.3199, 0.3521



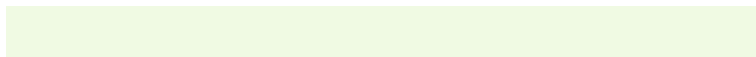
92.4425, 0.2872, 0.3115



92.4425, 0.3313, 0.3236

# Complementary

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



92.4425, 0.3199, 0.3521



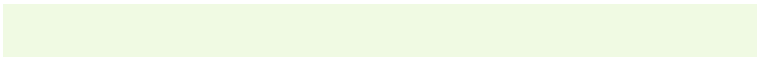
79.8732, 0.3050, 0.3058

# Split Complementary

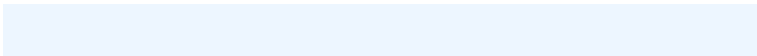
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.4425, 0.3189, 0.3134



92.4425, 0.3199, 0.3521



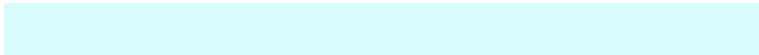
92.4425, 0.2936, 0.3063

# Square

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



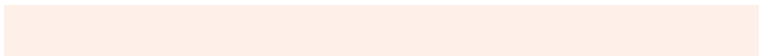
92.4425, 0.3199, 0.3521



92.4425, 0.2875, 0.3216



92.4425, 0.3051, 0.3071

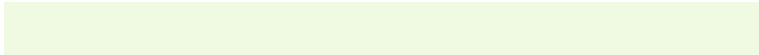


92.4425, 0.3386, 0.3355

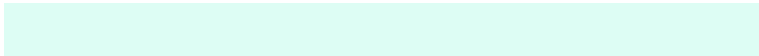


# Rectangle

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



92.4425, 0.3199, 0.3521



92.4425, 0.2979, 0.3382



92.4425, 0.3051, 0.3071



92.4425, 0.3276, 0.3199

# Sweetspot

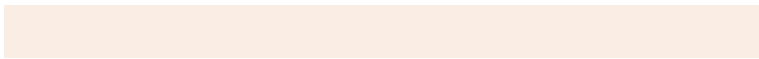
The Sweet Spot groups the original color and five complimentary colors.



92.4465, 0.3199, 0.3521



98.8903, 0.3151, 0.3364



86.4352, 0.3278, 0.3390



21.1042, 0.3157, 0.3384



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

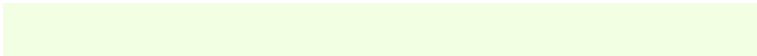


# Same Dimension

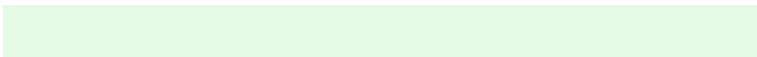
The Same Dimension uses a secret algorithm to generate beautiful new colors.



92.4465, 0.3199, 0.3521



96.0783, 0.3213, 0.3569



90.5090, 0.3126, 0.3526



19.7924, 0.3201, 0.3529



39.3595, 0.3457, 0.5637



3.7081, 0.3541, 0.5571



# Inverse Universe

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



79.8732, 0.3050, 0.3058



80.5117, 0.3034, 0.3009



81.9040, 0.3127, 0.3063



17.0129, 0.3047, 0.3050



5.4651, 0.1903, 0.0822

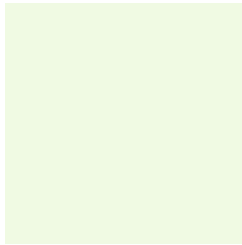


0.5676, 0.2035, 0.0895



# Previews

## White Background



This preview shows how the Yxy color 92.4425, 0.3199, 0.3521 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

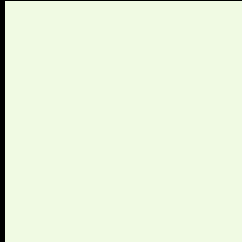
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 92.4425, 0.3199, 0.3521 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

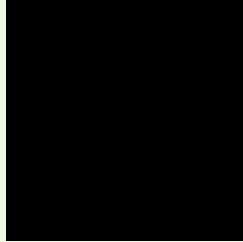
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

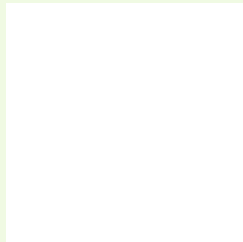
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 92.4425, 0.3199, 0.3521**

## **Background**



This preview shows how black text looks on a background with the Yxy color 92.4425, 0.3199, 0.3521.

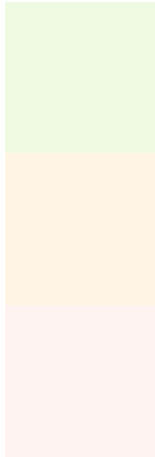


This preview shows how white text looks on a background with the Yxy color 92.4425, 0.3199, 0.3521.

# 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

92.4425, 0.3199, 0.3521

### Protanopia

92.0558, 0.3309, 0.3477

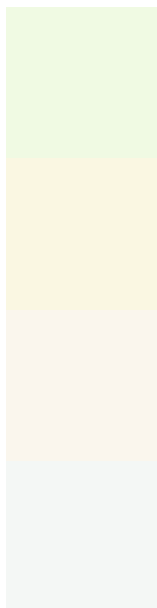
### Deuteranopia

92.3722, 0.3211, 0.3310

## **Tritanopia**

92.1176, 0.3074, 0.3193

# Trichromacy



## Original Color

92.4425, 0.3199, 0.3521

## Protanomaly

92.3365, 0.3274, 0.3498

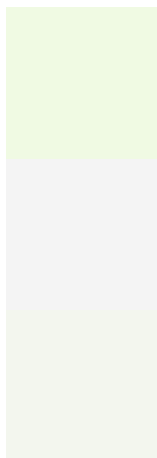
## Deuteranomaly

92.3500, 0.3207, 0.3379

## Tritanomaly

92.3472, 0.3120, 0.3310

# Monochromacy



## Original Color

92.4425, 0.3199, 0.3521

## Achromatopsia

90.4661, 0.3127, 0.3290

## Achromatomaly

91.1393, 0.3156, 0.3370

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 92.4425, 0.3199, 0.3521 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(240, 250, 227)` looks like.

```
.text, #text, p{  
    color:rgb(240, 250, 227)  
}
```

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(240, 250, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(240, 250, 227) }
```

## Border

The CSS property to change the border of an element to Yxy 92.4425, 0.3199, 0.3521 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(240, 250, 227) }
```

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

```
.border{ border-color:rgb(240, 250, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(240, 250, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(240, 250, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(240, 250, 227);  
box-shadow:4px 4px 4px 4px rgb(240, 250,  
227) }
```



# Background

The CSS property to change the background color of an element to Yxy 92.4425, 0.3199, 0.3521 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(240, 250, 227) }
```

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

```
.background{ background-color: rgb(240,  
250, 227) }
```

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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