

# Converting Colors

$Y_{xy}(144.8276, 0.3207, 0.4251)$

Have a look what the booklet for  
Yxy(144.8276, 0.3207, 0.4251)  
contains.

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# Color

**Yxy(95.1271, 0.3272, 0.3692)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F1FFD7
RGB	241, 255, 215
RGB Percent	95%, 100%, 84%
CMY	0.0549, 0.0000, 0.1568
CMYK	0.05, 0.00, 0.16, 0.00
HSL	81°, 100%, 92%
HSV	81°, 16%, 100%
XYZ	84.3055, 95.1271, 78.2248
YIQ	246.2540, 4.4960, -15.4080

# Conversions

## Conversions Part 2

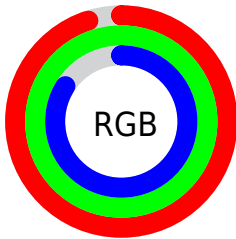
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	215, 255, 229
Decimal	15859671
CIE Lab	98.08, -11.34, 17.57
CIE LCh	98, 20.911, 122.828
Yxy	95.1271, 0.3272, 0.3692
Android (android.graphics.Color)	4294049751 (0xFFFF1FFD7)
YUV	246.2540, -15.4082, -4.6078
Hunter-Lab	97.5331, -16.3915, 20.7207

# Details

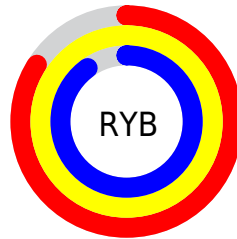
The Yxy color  $95.1271, 0.3272, 0.3692$  is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be  $72.4959, 0.2965, 0.2879$ , and the grayscale version is  $92.5031, 0.3127, 0.3290$ .

A 20% lighter version of the original color is  $100.0000, 0.3127, 0.3290$ , and  $53.2405, 0.3304, 0.3779$  is the 20% darker color. If you saturate the color by 10%, you get  $92.3864, 0.3363, 0.3968$ , and if you desaturate by 10%, it is  $98.1544, 0.3179, 0.3431$ .

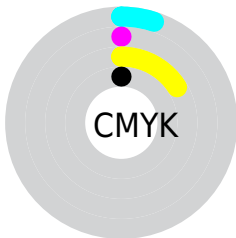
# Distribution



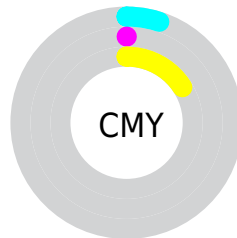
- Red (95%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (90%)



- Cyan (5%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)




- Cyan (5%)
- Magenta (0%)
- Yellow (16%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 95.1271, 0.3272, 0.3692 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 95.1271, 0.3272, 0.3692 by changing the saturation by 10% instead.




 95.1271, 0.3272,  
0.3692

 95.1271, 0.3272,  
0.3692

544.5718, 0.3210,  
0.3511

 72.2408, 0.3285,  
0.3732


154.4402, 0.3251,  
0.3630

 53.3554, 0.3301,  
0.3781

191.6357, 0.3243,  
0.3606

 38.0865, 0.3319,  
0.3842


234.3698, 0.3236,  
0.3585

 26.0499, 0.3343,  
0.3920

283.0268, 0.3230,  
0.3567

 16.8609, 0.3372,  
0.4023

337.9911, 0.3224,  
0.3550

 10.1354, 0.3410,  
0.4166

399.6471, 0.3219,

 5.4888, 0.3459,

0.3536

0.4376

468.3792, 0.3214,  
0.3523

■ 2.5368, 0.3520,  
0.4712

■ 0.8950, 0.3907,  
0.6093

■ 95.1271, 0.3272,  
0.3692

■ 95.1271, 0.3272,  
0.3692

■ 92.3864, 0.3363,  
0.3968

■ 98.1544, 0.3179,  
0.3431


■ 89.9138, 0.3449,  
0.4251

100.0000, 0.3127,  
0.3290

■ 87.7007, 0.3524,  
0.4533

■ 85.7349, 0.3585,  
0.4802

 84.0028, 0.3625,  
0.5044

 82.4895, 0.3641,  
0.5248

 81.1774, 0.3632,  
0.5403

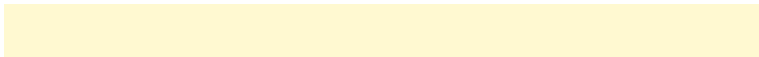
 80.0452, 0.3599,  
0.5506

 79.5984, 0.3579,  
0.5540

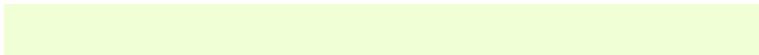
# Harmonies

## Analogous

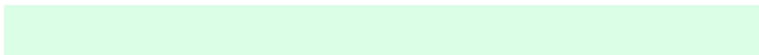
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



95.1271, 0.3470, 0.3674



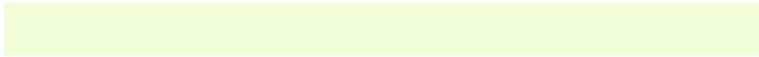
95.1271, 0.3272, 0.3692



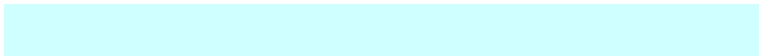
95.1271, 0.3041, 0.3591

# Triad

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



95.1271, 0.3272, 0.3692



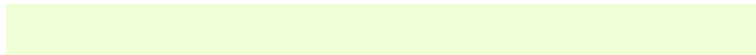
95.1271, 0.2696, 0.3008



95.1271, 0.3420, 0.3176

# Complementary

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



95.1271, 0.3272, 0.3692



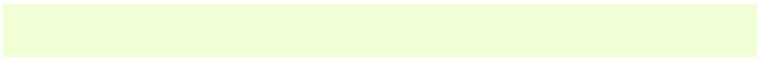
72.4959, 0.2965, 0.2879

# Split Complementary

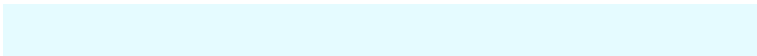
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



95.1271, 0.3202, 0.3014



95.1271, 0.3272, 0.3692



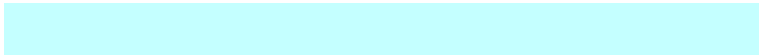
95.1271, 0.2788, 0.2915

# Square

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



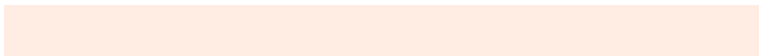
95.1271, 0.3272, 0.3692



95.1271, 0.2714, 0.3184



95.1271, 0.2971, 0.2920

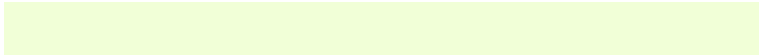


95.1271, 0.3559, 0.3370

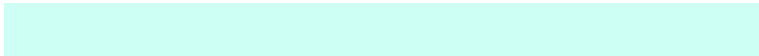


# Rectangle

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



95.1271, 0.3272, 0.3692



95.1271, 0.2899, 0.3471



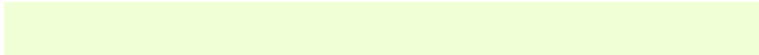
95.1271, 0.2971, 0.2920



95.1271, 0.3353, 0.3117

# Sweetspot

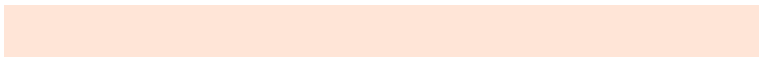
The Sweet Spot groups the original color and five complimentary colors.



95.1297, 0.3272, 0.3692



98.3691, 0.3173, 0.3413



82.2160, 0.3402, 0.3431



21.0072, 0.3180, 0.3431



0.0000, 0.0000, 0.0000

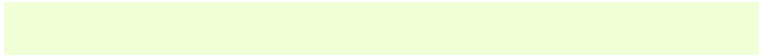


21.4041, 0.3127, 0.3290

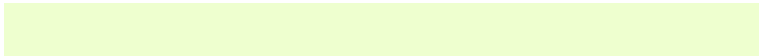


# Same Dimension

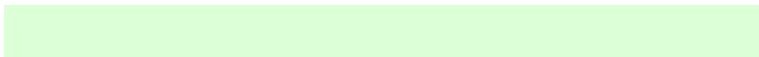
The Same Dimension uses a secret algorithm to generate beautiful new colors.



95.1297, 0.3272, 0.3692



94.1870, 0.3303, 0.3782



91.8034, 0.3145, 0.3708



20.7539, 0.3215, 0.3529



41.6783, 0.3589, 0.5532



4.1190, 0.3658, 0.5477



# Inverse Universe

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



72.4959, 0.2965, 0.2879



67.3971, 0.2926, 0.2784



75.9751, 0.3103, 0.2896



17.6869, 0.3034, 0.3048



4.9641, 0.1766, 0.0747

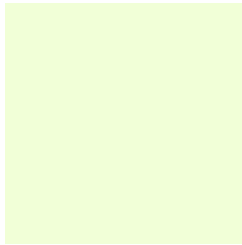


0.5415, 0.1889, 0.0814



# Previews

## White Background



This preview shows how the Yxy color 95.1271, 0.3272, 0.3692 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

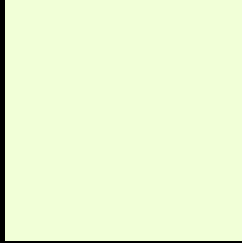
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 95.1271, 0.3272, 0.3692 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

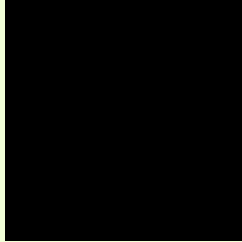
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

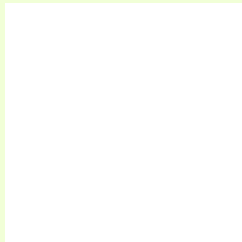
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 95.1271, 0.3272, 0.3692**

## **Background**



This preview shows how black text looks on a background with the Yxy color 95.1271, 0.3272, 0.3692.



This preview shows how white text looks on a background with the Yxy color 95.1271, 0.3272, 0.3692.

# Color Blindness Simulation

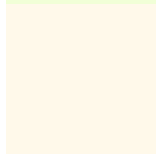
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



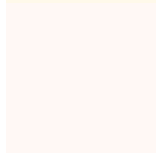
### Original Color

95.1271, 0.3272, 0.3692



### Protanopia

94.9519, 0.3256, 0.3436



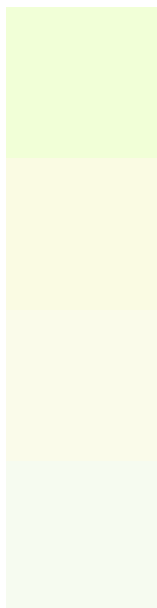
### Deuteranopia

94.9874, 0.3190, 0.3319

## **Tritanopia**

95.1111, 0.3092, 0.3232

# Trichromacy



## Original Color

95.1271, 0.3272, 0.3692

## Protanomaly

94.8644, 0.3263, 0.3526

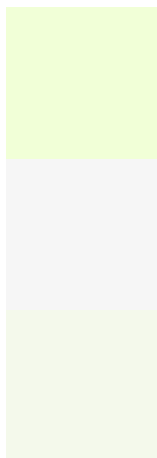
## Deuteranomaly

95.2589, 0.3221, 0.3457

## Tritanomaly

94.8785, 0.3160, 0.3398

# Monochromacy



## Original Color

95.1271, 0.3272, 0.3692

## Achromatopsia

92.1582, 0.3127, 0.3290

## Achromatomaly

92.9826, 0.3178, 0.3429

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 95.1271, 0.3272, 0.3692 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(241, 255, 215)` looks like.

```
.text, #text, p{  
    color:rgb(241, 255, 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(241, 255, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(241, 255, 215) }
```

## Border

The CSS property to change the border of an element to Yxy 95.1271, 0.3272, 0.3692 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(241, 255, 215) }
```

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

```
.border{ border-color:rgb(241, 255, 215) }
```

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

Here you see how a box with a 4 pixel rgb(241, 255, 215) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(241, 255, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(241, 255, 215);  
box-shadow:4px 4px 4px 4px rgb(241, 255,  
215) }
```



# Background

The CSS property to change the background color of an element to Yxy 95.1271, 0.3272, 0.3692 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(241, 255, 215) }
```

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

```
.background{ background-color: rgb(241,  
255, 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](#).

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