

# Converting Colors

$Yxy(97.4574, 0.3067, 0.3321)$

Have a look what the booklet for  
Yxy(97.4574, 0.3067, 0.3321)  
contains.

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# Color

**Yxy(97.4255, 0.3064, 0.3319)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F2FFFC
RGB	242, 255, 252
RGB Percent	95%, 100%, 99%
CMY	0.0511, 0.0000, 0.0117
CMYK	0.05, 0.00, 0.01, 0.00
HSL	166°, 100%, 97%
HSV	166°, 5%, 100%
XYZ	89.9403, 97.4255, 106.1730
YIQ	250.7710, -6.7850, -3.6890

# Conversions

## Conversions Part 2

<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	242, 249, 255
Decimal	15925244
CIE Lab	99.00, -4.79, -0.06
CIE LCh	99, 4.792, 180.694
Yxy	97.4255, 0.3064, 0.3319
Android (android.graphics.Color)	4294115324 (0xFF2FFFC)
YUV	250.7710, 0.6059, -7.6922
Hunter-Lab	98.7044, -10.0819, 5.3168

# Details

The Yxy color 97.4255, 0.3064, 0.3319 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 91.3304, 0.3194, 0.3261, and the grayscale version is 96.2593, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.7674, 0.3055, 0.3327 is the 20% darker color. If you saturate the color by 10%, you get 92.8544, 0.2944, 0.3380, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

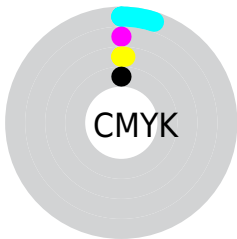
# Distribution



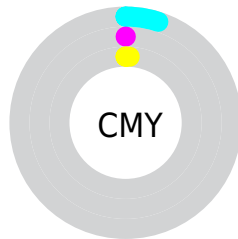
- Red (95%)
- Green (100%)
- Blue (99%)



- Red (95%)
- Yellow (98%)
- Blue (100%)



- Cyan (5%)
- Magenta (0%)
- Yellow (1%)
- Black (0%)




- Cyan (5%)
- Magenta (0%)
- Yellow (1%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 97.4255, 0.3064, 0.3319 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 97.4255, 0.3064, 0.3319 by changing the saturation by 10% instead.




 97.4255, 0.3064,  
0.3319

 97.4255, 0.3064,  
0.3319


551.9012, 0.3092,  
0.3306

 74.1554, 0.3058,  
0.3322


157.6113, 0.3073,  
0.3315

 54.9212, 0.3051,  
0.3325

195.2958, 0.3077,  
0.3313

 39.3386, 0.3042,  
0.3329


238.5538, 0.3080,  
0.3312

 27.0233, 0.3030,  
0.3334

287.7698, 0.3083,  
0.3310

 17.5907, 0.3015,  
0.3341

343.3281, 0.3086,  
0.3309

 10.6565, 0.2995,  
0.3350

405.6132, 0.3088,

 5.8364, 0.2966,

0.3308

0.3364

475.0094, 0.3090,  
0.3307

■ 2.7458, 0.2920,  
0.3384

■ 1.0005, 0.2837,  
0.3422

■ 97.4255, 0.3064,  
0.3319

■ 97.4255, 0.3064,  
0.3319

■ 92.8544, 0.2944,  
0.3380


100.0000, 0.3127,  
0.3290

■ 88.9035, 0.2831,  
0.3447


■ 85.5392, 0.2727,  
0.3519

■ 82.7316, 0.2637,  
0.3596

 80.4481, 0.2562,  
0.3677

 78.6526, 0.2506,  
0.3761

 77.3044, 0.2469,  
0.3846

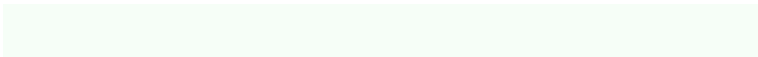
 76.3560, 0.2452,  
0.3932

 75.7491, 0.2455,  
0.4017

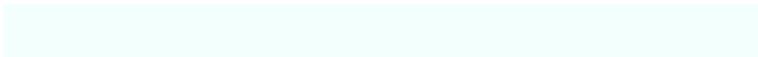
# Harmonies

## Analogous

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



97.4255, 0.3112, 0.3359



97.4255, 0.3064, 0.3319



97.4255, 0.3033, 0.3272

# Triad

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



97.4255, 0.3064, 0.3319



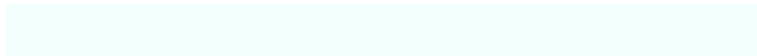
97.4255, 0.3089, 0.3202



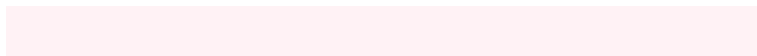
97.4255, 0.3229, 0.3350

# Complementary

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



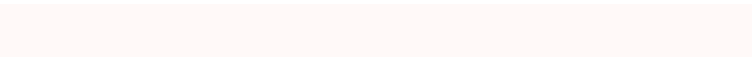
97.4255, 0.3064, 0.3319



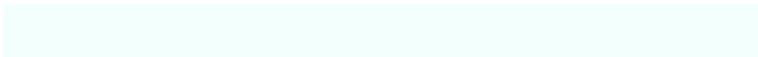
91.3304, 0.3194, 0.3261

# 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.



97.4255, 0.3223, 0.3308



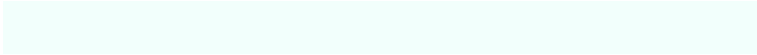
97.4255, 0.3064, 0.3319



97.4255, 0.3142, 0.3223

# Square

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



97.4255, 0.3064, 0.3319



97.4255, 0.3047, 0.3205



97.4255, 0.3191, 0.3261



97.4255, 0.3208, 0.3376



# Rectangle

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



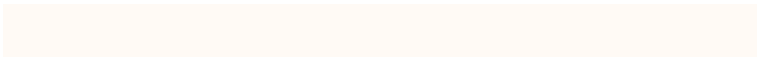
97.4255, 0.3064, 0.3319



97.4255, 0.3025, 0.3242



97.4255, 0.3191, 0.3261



97.4255, 0.3230, 0.3337

# Sweetspot

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



97.4198, 0.3064, 0.3319



98.9706, 0.3102, 0.3301



97.3416, 0.3140, 0.3418



21.1946, 0.3104, 0.3301



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.



97.4198, 0.3064, 0.3319



96.9894, 0.3053, 0.3324



95.4120, 0.3048, 0.3256



20.6926, 0.3045, 0.3328



39.4930, 0.2457, 0.4044

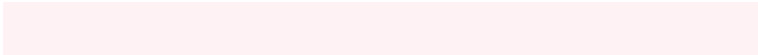


3.8618, 0.2430, 0.3947



# Inverse Universe

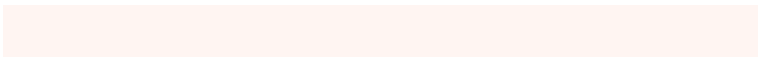
The Inverse Universe completely reimagines the original color for something new.



91.3304, 0.3194, 0.3261



89.8868, 0.3207, 0.3256



93.2388, 0.3210, 0.3324



19.0143, 0.3216, 0.3252



11.2888, 0.6000, 0.3079

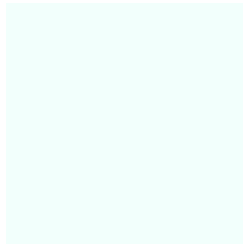


1.1149, 0.5691, 0.2909



# Previews

## White Background



This preview shows how the Yxy color 97.4255, 0.3064, 0.3319 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

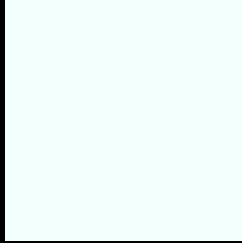
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 97.4255, 0.3064, 0.3319 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 97.4255, 0.3064, 0.3319**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.4255, 0.3064, 0.3319.



This preview shows how white text looks on a background with the Yxy color 97.4255, 0.3064, 0.3319.

# 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

The image shows a vertical bar divided into three colored sections. The top section is light cyan, the middle section is light orange, and the bottom section is light pink. To the right of each section is text describing the color and its corresponding L, M, and S cone response values.

### Original Color

97.4255, 0.3064, 0.3319

### Protanopia

97.1565, 0.3158, 0.3300

### Deuteranopia

97.2826, 0.3146, 0.3281

## **Tritanopia**

97.3500, 0.3104, 0.3261

# Trichromacy

A vertical bar with a light green top section and a light blue bottom section.

**Original Color**

97.4255, 0.3064, 0.3319

**Protanomaly**

96.9098, 0.3120, 0.3300

**Deuteranomaly**

96.9731, 0.3115, 0.3290

**Tritanomaly**

97.3628, 0.3090, 0.3280

# Monochromacy

A vertical bar with a light green top section and a light orange bottom section.

**Original Color**

97.4255, 0.3064, 0.3319

**Achromatopsia**

96.4686, 0.3127, 0.3290

**Achromatomaly**

96.5423, 0.3108, 0.3300

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 97.4255, 0.3064, 0.3319 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(242, 255, 252)` looks like.

```
.text, #text, p{  
    color:rgb(242, 255, 252)  
}
```

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(242, 255, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(242, 255, 252) }
```

## Border

The CSS property to change the border of an element to Yxy 97.4255, 0.3064, 0.3319 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(242, 255, 252) }
```

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

```
.border{ border-color:rgb(242, 255, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(242, 255, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(242, 255, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(242, 255, 252);  
box-shadow:4px 4px 4px 4px rgb(242, 255,  
252) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.4255, 0.3064, 0.3319 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(242, 255, 252) }
```

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

```
.background{ background-color: rgb(242,  
255, 252) }
```

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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