

# Converting Colors

$Yxy(97.2437, 0.3178, 0.3469)$

Have a look what the booklet for  
Yxy(97.2437, 0.3178, 0.3469)  
contains.

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# Color

**Yxy(97.2273, 0.3175, 0.3467)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F6FFED
RGB	246, 255, 237
RGB Percent	96%, 100%, 93%
CMY	0.0354, 0.0000, 0.0707
CMYK	0.04, 0.00, 0.07, 0.00
HSL	90°, 100%, 96%
HSV	90°, 7%, 100%
XYZ	89.0386, 97.2273, 94.1705
YIQ	250.2570, 0.4140, -7.5060

# Conversions

## Conversions Part 2

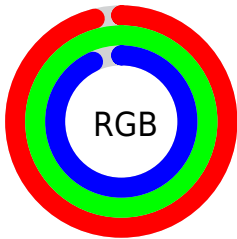
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	237, 255, 246
Decimal	16187373
CIE Lab	98.92, -6.10, 7.58
CIE LCh	99, 9.732, 128.827
Yxy	97.2273, 0.3175, 0.3467
Android (android.graphics.Color)	4294377453 (0xFF6FFED)
YUV	250.2570, -6.5357, -3.7334
Hunter-Lab	98.6039, -11.3727, 12.3985

# Details

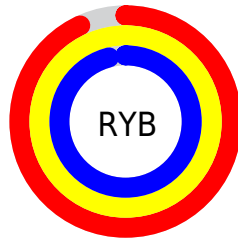
The Yxy color 97.2273, 0.3175, 0.3467 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.3653, 0.3077, 0.3113, and the grayscale version is 95.8633, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.6715, 0.3189, 0.3503 is the 20% darker color. If you saturate the color by 10%, you get 93.6012, 0.3242, 0.3736, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

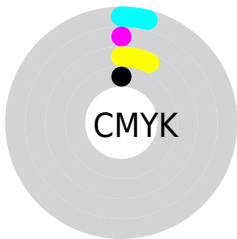
# Distribution



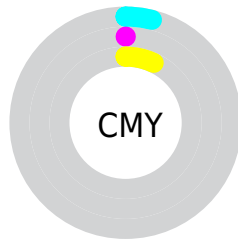
- Red (96%)
- Green (100%)
- Blue (93%)



- Red (93%)
- Yellow (100%)
- Blue (96%)



- Cyan (4%)
- Magenta (0%)
- Yellow (7%)
- Black (0%)



- Cyan (4%)
- Magenta (0%)
- Yellow (7%)

# Brightness & Saturation Gradients

These gradients show how the Yxy color 97.2273, 0.3175, 0.3467 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 97.2273, 0.3175, 0.3467 by changing the saturation by 10% instead.




 97.2273, 0.3175,  
0.3467

 97.2273, 0.3175,  
0.3467

551.2711, 0.3154,  
0.3389

 73.9901, 0.3179,  
0.3484


157.3381, 0.3168,  
0.3440

 54.7860, 0.3185,  
0.3505


194.9806, 0.3165,  
0.3430

 39.2304, 0.3191,  
0.3531


238.1937, 0.3163,  
0.3421

 26.9390, 0.3199,  
0.3564

287.3617, 0.3161,  
0.3413

 17.5274, 0.3210,  
0.3608

342.8690, 0.3159,  
0.3406

 10.6112, 0.3223,  
0.3668

405.1001, 0.3157,

 5.8061, 0.3243,

0.3399

0.3756

474.4394, 0.3156,  
0.3394

■ 2.7275, 0.3271,  
0.3896

■ 0.9912, 0.3395,  
0.4262

■ 97.2273, 0.3175,  
0.3467

■ 97.2273, 0.3175,  
0.3467

■ 93.6012, 0.3242,  
0.3736

100.0000, 0.3127,  
0.3290

■ 90.3424, 0.3307,  
0.4023

■ 87.4296, 0.3365,  
0.4323

■ 84.8493, 0.3412,  
0.4626

■ 82.5867, 0.3445,  
0.4918

■ 80.6255, 0.3458,  
0.5184

■ 78.9480, 0.3450,  
0.5410

■ 77.5335, 0.3418,  
0.5581

■ 76.3566, 0.3367,  
0.5695

# Harmonies

## Analogous

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



97.2273, 0.3271, 0.3473



97.2273, 0.3175, 0.3467



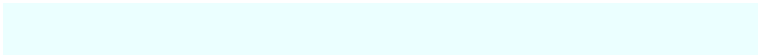
97.2273, 0.3068, 0.3412

# Triad

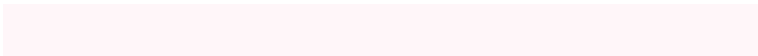
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



97.2273, 0.3175, 0.3467



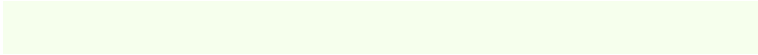
97.2273, 0.2930, 0.3149



97.2273, 0.3278, 0.3256

# Complementary

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



97.2273, 0.3175, 0.3467



87.3653, 0.3077, 0.3113

# 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.



97.2273, 0.3185, 0.3173



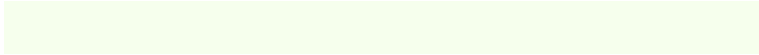
97.2273, 0.3175, 0.3467



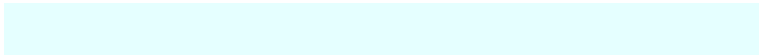
97.2273, 0.2984, 0.3111

# Square

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



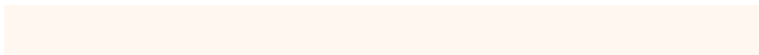
97.2273, 0.3175, 0.3467



97.2273, 0.2927, 0.3226



97.2273, 0.3077, 0.3120

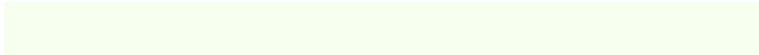


97.2273, 0.3331, 0.3349



# Rectangle

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



97.2273, 0.3175, 0.3467



97.2273, 0.3004, 0.3354



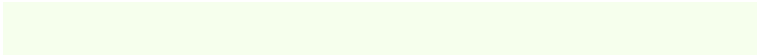
97.2273, 0.3077, 0.3120



97.2273, 0.3251, 0.3226

# Sweetspot

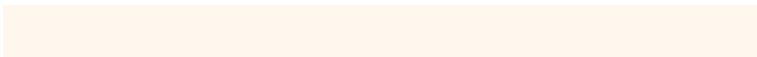
The Sweet Spot groups the original color and five complimentary colors.



97.2189, 0.3175, 0.3467



99.1943, 0.3141, 0.3339



93.2752, 0.3240, 0.3378



21.2401, 0.3140, 0.3336



0.0000, 0.0000, 0.0000

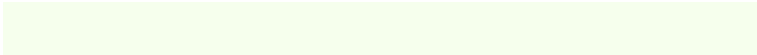


21.4041, 0.3127, 0.3290



# Same Dimension

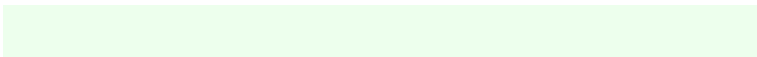
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97.2189, 0.3175, 0.3467



96.8672, 0.3181, 0.3491



95.6321, 0.3119, 0.3470



20.6132, 0.3191, 0.3530



39.8248, 0.3363, 0.5712



3.9425, 0.3448, 0.5644



# Inverse Universe

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



87.3653, 0.3077, 0.3113



85.7888, 0.3069, 0.3089



89.0312, 0.3135, 0.3117



17.8250, 0.3058, 0.3050



6.2516, 0.2023, 0.0888

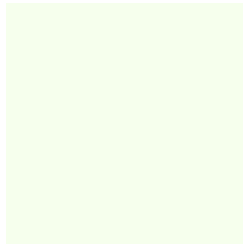


0.6736, 0.2145, 0.0956



# Previews

## White Background



This preview shows how the Yxy color 97.2273, 0.3175, 0.3467 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

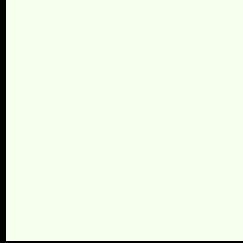
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 97.2273, 0.3175, 0.3467 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

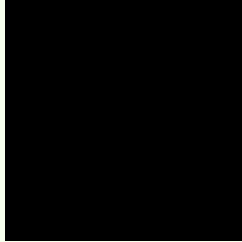
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

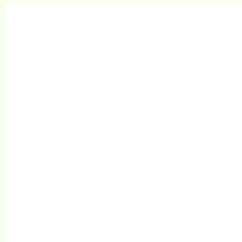
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 97.2273, 0.3175, 0.3467**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.2273, 0.3175, 0.3467.

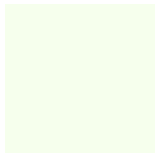


This preview shows how white text looks on a background with the Yxy color 97.2273, 0.3175, 0.3467.

# 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

97.2273, 0.3175, 0.3467



### Protanopia

96.8469, 0.3188, 0.3348

### Deuteranopia

97.2194, 0.3152, 0.3290

## Tritanopia

96.9098, 0.3110, 0.3252

# Trichromacy

A vertical color bar on the left side of the Trichromacy section, showing a gradient from light green at the top to light yellow at the bottom.

**Original Color**

97.2273, 0.3175, 0.3467

**Protanomaly**

96.7271, 0.3186, 0.3387

**Deuteranomaly**

96.9701, 0.3162, 0.3348

**Tritanomaly**

96.7221, 0.3138, 0.3329

# Monochromacy

A vertical color bar on the left side of the Monochromacy section, showing a gradient from light green at the top to light grey at the bottom.

**Original Color**

97.2273, 0.3175, 0.3467

**Achromatopsia**

95.5973, 0.3127, 0.3290

**Achromatomaly**

96.3531, 0.3149, 0.3358

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 97.2273, 0.3175, 0.3467 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(246, 255, 237)` looks like.

```
.text, #text, p{  
    color:rgb(246, 255, 237)  
}
```

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(246, 255, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 237) }
```

## Border

The CSS property to change the border of an element to Yxy 97.2273, 0.3175, 0.3467 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(246, 255, 237) }
```

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

```
.border{ border-color:rgb(246, 255, 237) }
```

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

Here you see how a box with a 4 pixel rgb(246, 255, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 237);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
237) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.2273, 0.3175, 0.3467 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(246, 255, 237) }
```

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

```
.background{ background-color: rgb(246,  
255, 237) }
```

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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