

# Converting Colors

$Y_{xy}(155.7874, 0.3120, 0.4116)$

Have a look what the booklet for  
Yxy(155.7874, 0.3120, 0.4116)  
contains.

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# Color

**Yxy(97.1055, 0.3163, 0.3457)**

# Conversions

## Conversions Part 1

Format	Color
Hex	F5FFEE
RGB	245, 255, 238
RGB Percent	96%, 100%, 93%
CMY	0.0392, 0.0000, 0.0667
CMYK	0.04, 0.00, 0.07, 0.00
HSL	95°, 100%, 97%
HSV	95°, 7%, 100%
XYZ	88.8472, 97.1055, 94.9426
YIQ	250.0720, -0.5030, -7.4070

# Conversions

## Conversions Part 2

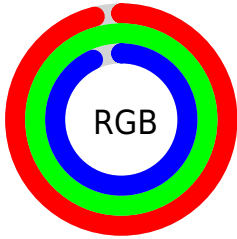
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	238, 255, 248
Decimal	16121838
CIE Lab	98.87, -6.25, 6.98
CIE LCh	99, 9.366, 131.823
Yxy	97.1055, 0.3163, 0.3457
Android (android.graphics.Color)	4294311918 (0xFFFF5FFEE)
YUV	250.0720, -5.9515, -4.4481
Hunter-Lab	98.5421, -11.5102, 11.8552

# Details

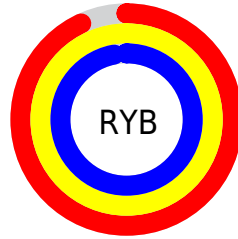
The Yxy color 97.1055, 0.3163, 0.3457 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.3204, 0.3089, 0.3124, and the grayscale version is 95.7095, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.5844, 0.3173, 0.3490 is the 20% darker color. If you saturate the color by 10%, you get 93.1221, 0.3216, 0.3728, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

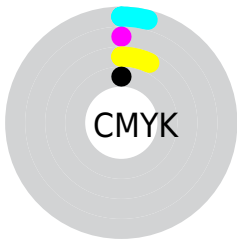
# Distribution



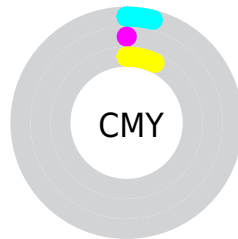
- Red (96%)
- Green (100%)
- Blue (93%)



- Red (93%)
- Yellow (100%)
- Blue (97%)



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 97.1055, 0.3163, 0.3457 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 97.1055, 0.3163, 0.3457 by changing the saturation by 10% instead.




 97.1055, 0.3163,  
0.3457

 97.1055, 0.3163,  
0.3457


550.8838, 0.3148,  
0.3383

 73.8886, 0.3166,  
0.3473

157.1703, 0.3158,  
0.3432

 54.7029, 0.3170,  
0.3493


194.7869, 0.3156,  
0.3422

 39.1639, 0.3175,  
0.3517

237.9723, 0.3154,  
0.3413

 26.8872, 0.3181,  
0.3549

287.1108, 0.3152,  
0.3406

 17.4886, 0.3188,  
0.3590

342.5868, 0.3151,  
0.3399

 10.5834, 0.3199,  
0.3647

404.7847, 0.3150,

 5.7875, 0.3212,

0.3393

0.3730

474.0889, 0.3149,  
0.3388

■ 2.7163, 0.3233,  
0.3863

■ 0.9855, 0.3326,  
0.4198

■ 97.1055, 0.3163,  
0.3457

■ 97.1055, 0.3163,  
0.3457

■ 93.1221, 0.3216,  
0.3728

100.0000, 0.3127,  
0.3290

■ 89.5560, 0.3266,  
0.4020

■ 86.3919, 0.3310,  
0.4328

■ 83.6140, 0.3344,  
0.4643

■ 81.2053, 0.3364,  
0.4950

■ 79.1472, 0.3367,  
0.5233

■ 77.4193, 0.3350,  
0.5473

■ 75.9984, 0.3313,  
0.5657

■ 74.8564, 0.3260,  
0.5778

# Harmonies

## Analogous

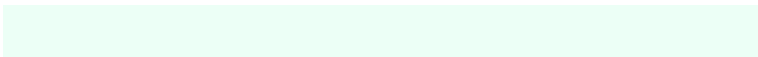
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.1055, 0.3258, 0.3467



97.1055, 0.3163, 0.3457



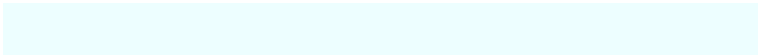
97.1055, 0.3060, 0.3400

# Triad

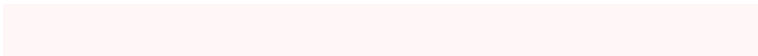
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



97.1055, 0.3163, 0.3457



97.1055, 0.2940, 0.3149



97.1055, 0.3280, 0.3266

# Complementary

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



97.1055, 0.3163, 0.3457



88.3204, 0.3089, 0.3124

# 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.



97.1055, 0.3193, 0.3184



97.1055, 0.3163, 0.3457



97.1055, 0.2997, 0.3117

# Square

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



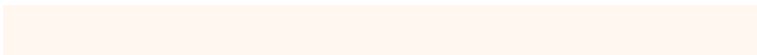
97.1055, 0.3163, 0.3457



97.1055, 0.2933, 0.3220



97.1055, 0.3089, 0.3130



97.1055, 0.3326, 0.3355



# Rectangle

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



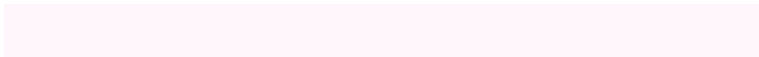
97.1055, 0.3163, 0.3457



97.1055, 0.3001, 0.3343



97.1055, 0.3089, 0.3130



97.1055, 0.3254, 0.3237

# Sweetspot

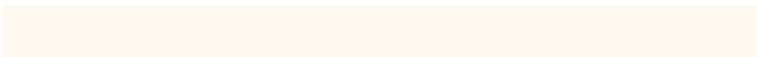
The Sweet Spot groups the original color and five complimentary colors.



97.1050, 0.3163, 0.3457



99.1115, 0.3138, 0.3339



94.5144, 0.3232, 0.3386



21.2233, 0.3137, 0.3336



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

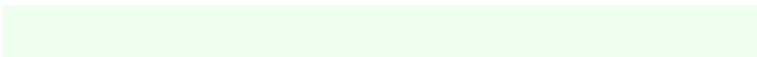
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97.1050, 0.3163, 0.3457



96.5505, 0.3170, 0.3492



95.9522, 0.3111, 0.3445



20.5335, 0.3178, 0.3531



39.0239, 0.3253, 0.5799



3.8617, 0.3341, 0.5729



# Inverse Universe

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



88.3204, 0.3089, 0.3124



86.1087, 0.3081, 0.3090



89.5341, 0.3144, 0.3140



17.9056, 0.3072, 0.3051



7.2478, 0.2203, 0.0987

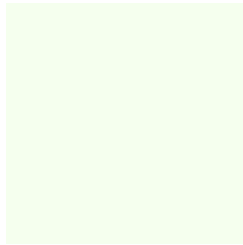


0.7697, 0.2314, 0.1049



# Previews

## White Background



This preview shows how the Yxy color 97.1055, 0.3163, 0.3457 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

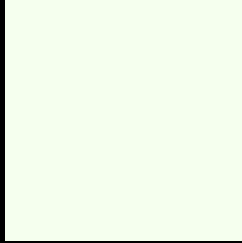
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 97.1055, 0.3163, 0.3457 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

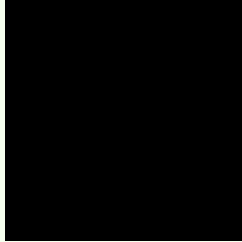
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

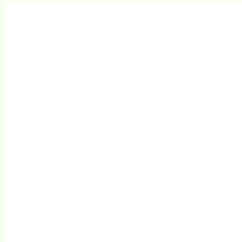
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 97.1055, 0.3163, 0.3457**

## **Background**



This preview shows how black text looks on a background with the Yxy color 97.1055, 0.3163, 0.3457.

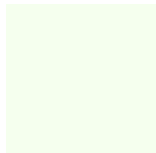


This preview shows how white text looks on a background with the Yxy color 97.1055, 0.3163, 0.3457.

# 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

97.1055, 0.3163, 0.3457



### Protanopia

96.8469, 0.3188, 0.3348

### Deuteranopia

97.1565, 0.3158, 0.3300

## Tritanopia

96.7236, 0.3104, 0.3252

# Trichromacy



**Original Color**

97.1055, 0.3163, 0.3457

**Protanomaly**

96.5408, 0.3179, 0.3387

**Deuteranomaly**

96.7839, 0.3156, 0.3348

**Tritanomaly**

96.6001, 0.3126, 0.3319

# Monochromacy



**Original Color**

97.1055, 0.3163, 0.3457

**Achromatopsia**

95.5973, 0.3127, 0.3290

**Achromatomaly**

96.2311, 0.3137, 0.3348

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 97.1055, 0.3163, 0.3457 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(245, 255, 238)` looks like.

```
.text, #text, p{  
    color:rgb(245, 255, 238)  
}
```

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(245, 255, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 238) }
```

## Border

The CSS property to change the border of an element to Yxy 97.1055, 0.3163, 0.3457 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(245, 255, 238) }
```

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

```
.border{ border-color:rgb(245, 255, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(245, 255, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(245, 255, 238); -webkit-box-shadow:4px 4px 4px 4px rgb(245, 255, 238); box-shadow:4px 4px 4px 4px rgb(245, 255, 238) }
```



# Background

The CSS property to change the background color of an element to Yxy 97.1055, 0.3163, 0.3457 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(245, 255, 238) }
```

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

```
.background{ background-color: rgb(245,  
255, 238) }
```

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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