

Converting Colors

$Y_{xy}(100.0000, 0.3133, 0.3415)$

Have a look what the booklet for
Yxy(100.0000, 0.3133, 0.3415)
contains.

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Color

Yxy(97.8867, 0.3135, 0.3387)

Conversions

Conversions Part 1

Format	Color
Hex	F7FFF5
RGB	247, 255, 245
RGB Percent	97%, 100%, 96%
CMY	0.0313, 0.0000, 0.0392
CMYK	0.03, 0.00, 0.04, 0.00
HSL	108°, 100%, 98%
HSV	108°, 4%, 100%
XYZ	90.6037, 97.8867, 100.5167
YIQ	251.4680, -1.5580, -4.8060

Conversions

Conversions Part 2

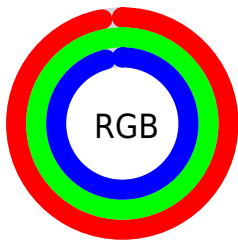
Format	Color
RYB	245, 255, 253
Decimal	16252917
CIELab	99.18, -4.37, 3.84
CIElCh	99, 5.817, 138.680
Yxy	97.8867, 0.3135, 0.3387
Android (android.graphics.Color)	4294442997 (0xFFFF7FFF5)
YUV	251.4680, -3.1887, -3.9184
Hunter-Lab	98.9377, -9.6769, 9.0202

Details

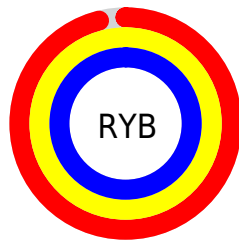
The Yxy color 97.8867, 0.3135, 0.3387 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 93.4183, 0.3119, 0.3194, and the grayscale version is 96.9108, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 55.1387, 0.3138, 0.3401 is the 20% darker color. If you saturate the color by 10%, you get 92.9291, 0.3154, 0.3656, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

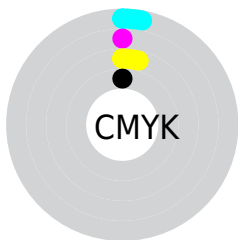
Distribution



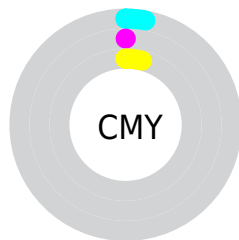
- Red (97%)
- Green (100%)
- Blue (96%)



- Red (96%)
- Yellow (100%)
- Blue (99%)



- Cyan (3%)
- Magenta (0%)
- Yellow (4%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 97.8867, 0.3135, 0.3387 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 97.8867, 0.3135, 0.3387 by changing the saturation by 10% instead.


 97.8867, 0.3135,
0.3387

 97.8867, 0.3135,
0.3387

553.3657, 0.3132,
0.3344

 74.5399, 0.3136,
0.3396


158.2467, 0.3134,
0.3373

 55.2360, 0.3136,
0.3408


196.0288, 0.3133,
0.3367

 39.5907, 0.3137,
0.3422


239.3913, 0.3133,
0.3362

 27.2196, 0.3139,
0.3439

288.7188, 0.3133,
0.3357

 17.7382, 0.3140,
0.3463

344.3955, 0.3132,
0.3354

 10.7622, 0.3142,
0.3495

406.8060, 0.3132,

 5.9072, 0.3145,

0.3350

0.3542

476.3346, 0.3132,
0.3347

■ 2.7887, 0.3148,
0.3616

■ 1.0224, 0.3159,
0.3760

■ 97.8867, 0.3135,
0.3387

■ 97.8867, 0.3135,
0.3387

■ 92.9291, 0.3154,
0.3656

100.0000, 0.3127,
0.3290

■ 88.5671, 0.3170,
0.3954

■ 84.7809, 0.3183,
0.4278

■ 81.5459, 0.3189,
0.4617

■ 78.8360, 0.3186,
0.4957

■ 76.6225, 0.3174,
0.5277

■ 74.8739, 0.3152,
0.5554

■ 73.5552, 0.3120,
0.5767

■ 72.6254, 0.3082,
0.5903

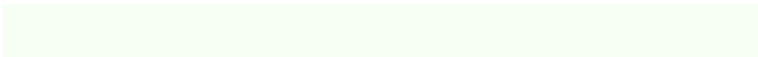
Harmonies

Analogous

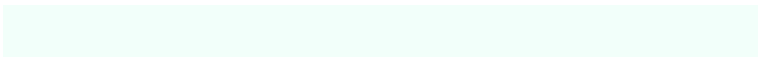
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.8867, 0.3196, 0.3401



97.8867, 0.3135, 0.3387



97.8867, 0.3072, 0.3346

Triad

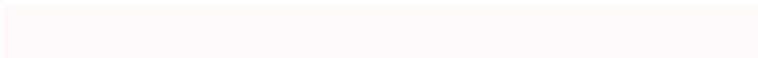
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



97.8867, 0.3135, 0.3387



97.8867, 0.3016, 0.3196



97.8867, 0.3231, 0.3288

Complementary

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



97.8867, 0.3135, 0.3387



93.4183, 0.3119, 0.3194

Split Complementary

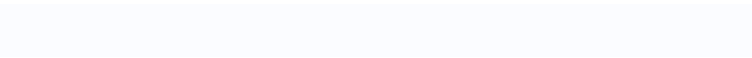
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.8867, 0.3182, 0.3235



97.8867, 0.3135, 0.3387



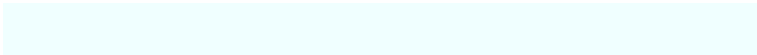
97.8867, 0.3058, 0.3181

Square

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



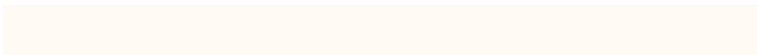
97.8867, 0.3135, 0.3387



97.8867, 0.3004, 0.3235



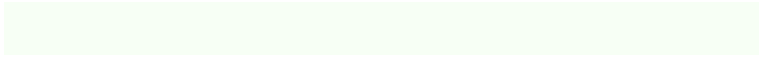
97.8867, 0.3118, 0.3196



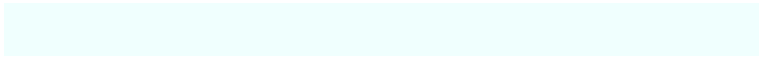
97.8867, 0.3252, 0.3343

Rectangle

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



97.8867, 0.3135, 0.3387



97.8867, 0.3038, 0.3310



97.8867, 0.3118, 0.3196



97.8867, 0.3217, 0.3270

Sweetspot

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



97.8899, 0.3135, 0.3387



99.4519, 0.3129, 0.3314



98.1062, 0.3186, 0.3367



21.2926, 0.3129, 0.3313



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.



97.8899, 0.3135, 0.3387



97.3221, 0.3137, 0.3415



97.7135, 0.3105, 0.3358



20.7530, 0.3139, 0.3433



37.7871, 0.3068, 0.5946



3.7223, 0.3136, 0.5892

Inverse Universe

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



93.4183, 0.3119, 0.3194



91.6530, 0.3116, 0.3167



93.6034, 0.3150, 0.3223



19.3757, 0.3115, 0.3150



10.5471, 0.2707, 0.1265



1.0713, 0.2767, 0.1298

Previews

White Background



This preview shows how the Yxy color 97.8867, 0.3135, 0.3387 looks on a white background.

Color Contrast Check

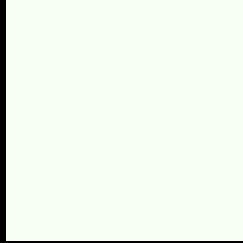
Large Text (above 18pt) WCAG AA × Fail

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 97.8867, 0.3135, 0.3387 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 97.8867, 0.3135, 0.3387

Background



This preview shows how black text looks on a background with the Yxy color 97.8867, 0.3135, 0.3387.



This preview shows how white text looks on a background with the Yxy color 97.8867, 0.3135, 0.3387.

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 three vertical color swatches. The top one is a light green, the middle one is a light orange, and the bottom one is a light yellow. To the right of each swatch is text describing the color and its corresponding numerical values.

Original Color

97.8867, 0.3135, 0.3387

Protanopia

97.7204, 0.3164, 0.3319

Deuteranopia

97.9091, 0.3146, 0.3290

Tritanopia

97.5363, 0.3110, 0.3261

Trichromacy



Original Color

97.8867, 0.3135, 0.3387

Protanomaly

97.7233, 0.3150, 0.3338

Deuteranomaly

97.7856, 0.3144, 0.3328

Tritanomaly

97.5396, 0.3120, 0.3309

Monochromacy



Original Color

97.8867, 0.3135, 0.3387



Achromatopsia

96.4686, 0.3127, 0.3290

Achromatomaly

96.7844, 0.3132, 0.3319

CSS Examples

Text

The CSS property to change the color of the text to Yxy 97.8867, 0.3135, 0.3387 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(247, 255, 245)` looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 245)  
}
```

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(247, 255, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 245) }
```

Border

The CSS property to change the border of an element to Yxy 97.8867, 0.3135, 0.3387 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(247, 255, 245) }
```

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

```
.border{ border-color:rgb(247, 255, 245) }
```

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

Here you see how a box with a 4 pixel `rgb(247, 255, 245)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 245);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
245) }
```


Background

The CSS property to change the background color of an element to Yxy 97.8867, 0.3135, 0.3387 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 255, 245) }
```

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

```
.background{ background-color: rgb(247,  
255, 245) }
```

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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