

Converting Colors

$Y_{xy}(190.2638, 0.3164, 0.4497)$

Have a look what the booklet for
Yxy(190.2638, 0.3164, 0.4497)
contains.

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Color

Yxy(96.3868, 0.3263, 0.3617)

Conversions

Conversions Part 1

Format	Color
Hex	F6FFDE
RGB	246, 255, 222
RGB Percent	96%, 100%, 87%
CMY	0.0353, 0.0000, 0.1293
CMYK	0.04, 0.00, 0.13, 0.00
HSL	76°, 100%, 94%
HSV	76°, 13%, 100%
XYZ	86.9533, 96.3868, 83.1426
YIQ	248.5470, 5.2290, -12.1710

Conversions

Conversions Part 2

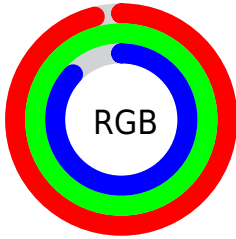
Format	Color
R _Y B	222, 255, 231
Decimal	16187358
CIE Lab	98.59, -8.52, 14.76
CIE LCh	99, 17.041, 119.997
Yxy	96.3868, 0.3263, 0.3617
Android (android.graphics.Color)	4294377438 (0xFFFF6FFDE)
YUV	248.5470, -13.0877, -2.2337
Hunter-Lab	98.1768, -13.7153, 18.5130

Details

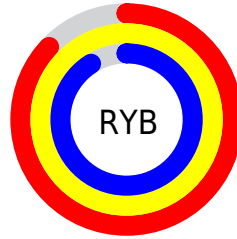
The Yxy color **96.3868, 0.3263, 0.3617** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **76.4662, 0.2979, 0.2953**, and the grayscale version is **94.4483, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **54.1253, 0.3293, 0.3682** is the 20% darker color. If you saturate the color by 10%, you get **93.8879, 0.3368, 0.3885**, and if you desaturate by 10%, it is **99.1427, 0.3158, 0.3362**.

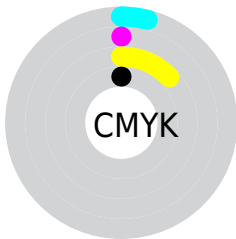
Distribution



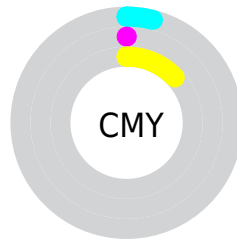
- Red (96%)
- Green (100%)
- Blue (87%)



- Red (87%)
- Yellow (100%)
- Blue (91%)



- Cyan (4%)
- Magenta (0%)
- Yellow (13%)
- Black (0%)




- Cyan (4%)
- Magenta (0%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.3868, 0.3263, 0.3617 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 96.3868, 0.3263, 0.3617 by changing the saturation by 10% instead.


 96.3868, 0.3263,
0.3617

 96.3868, 0.3263,
0.3617


548.5952, 0.3204,
0.3471

 73.2898, 0.3275,
0.3649


156.1791, 0.3243,
0.3567

 54.2129, 0.3290,
0.3688


193.6432, 0.3236,
0.3548

 38.7719, 0.3309,
0.3737


236.6651, 0.3229,
0.3531

 26.5823, 0.3331,
0.3799

285.6291, 0.3223,
0.3516

 17.2598, 0.3360,
0.3881

340.9198, 0.3217,
0.3503

 10.4199, 0.3399,
0.3994

402.9214, 0.3213,

 5.6782, 0.3451,

0.3491

0.4160

472.0184, 0.3208,
0.3480

■ 2.6504, 0.3524,
0.4424

■ 0.9521, 0.4213,
0.5768

■ 96.3868, 0.3263,
0.3617

■ 96.3868, 0.3263,
0.3617

■ 93.8879, 0.3368,
0.3885

■ 99.1427, 0.3158,
0.3362

■ 91.6316, 0.3470,
0.4160

100.0000, 0.3127,
0.3290

■ 89.6090, 0.3563,
0.4434

■ 87.8088, 0.3641,
0.4694

■ 86.2184, 0.3701,
0.4930

■ 84.8239, 0.3737,
0.5129

■ 83.6093, 0.3747,
0.5283

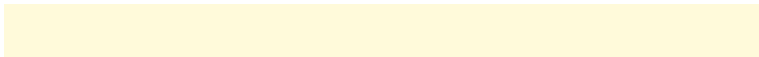
■ 82.5553, 0.3732,
0.5387

■ 81.8875, 0.3709,
0.5437

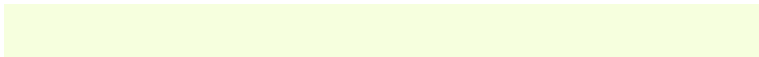
Harmonies

Analogous

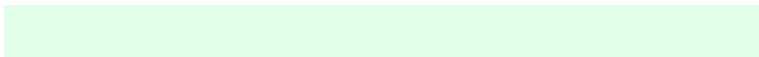
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.3868, 0.3418, 0.3596



96.3868, 0.3263, 0.3617



96.3868, 0.3075, 0.3544

Triad

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



96.3868, 0.3263, 0.3617



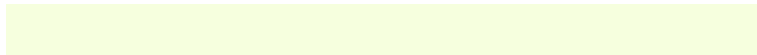
96.3868, 0.2773, 0.3073



96.3868, 0.3350, 0.3184

Complementary

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



96.3868, 0.3263, 0.3617



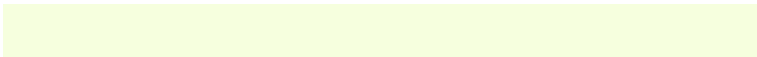
76.4662, 0.2979, 0.2953

Split Complementary

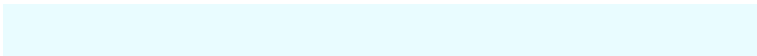
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.3868, 0.3171, 0.3054



96.3868, 0.3263, 0.3617



96.3868, 0.2841, 0.2989

Square

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



96.3868, 0.3263, 0.3617



96.3868, 0.2796, 0.3222



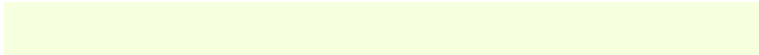
96.3868, 0.2985, 0.2983



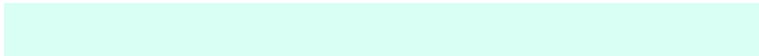
96.3868, 0.3470, 0.3342

Rectangle

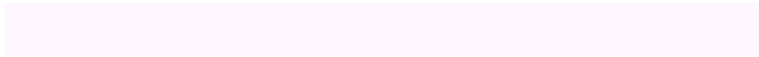
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96.3868, 0.3263, 0.3617



96.3868, 0.2957, 0.3451



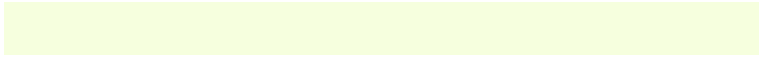
96.3868, 0.2985, 0.2983



96.3868, 0.3295, 0.3136

Sweetspot

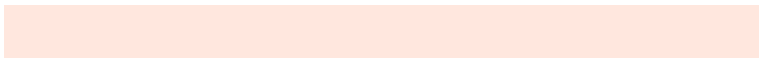
The Sweet Spot groups the original color and five complimentary colors.



96.3883, 0.3263, 0.3617



98.8364, 0.3169, 0.3388



83.5839, 0.3353, 0.3378



21.1092, 0.3177, 0.3407



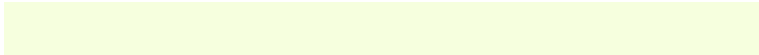
0.0000, 0.0000, 0.0000



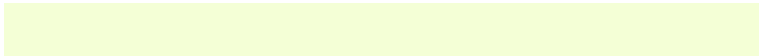
21.4041, 0.3127, 0.3290

Same Dimension

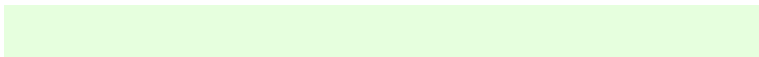
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.3883, 0.3263, 0.3617



95.5948, 0.3295, 0.3698



93.5712, 0.3159, 0.3627



20.8270, 0.3227, 0.3528



42.8658, 0.3717, 0.5430



4.2278, 0.3774, 0.5386

Inverse Universe

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



76.4662, 0.2979, 0.2953



71.4753, 0.2940, 0.2867



79.3037, 0.3089, 0.2965



17.6175, 0.3021, 0.3047



4.5074, 0.1668, 0.0692



0.4902, 0.1781, 0.0755

Previews

White Background



This preview shows how the Yxy color 96.3868, 0.3263, 0.3617 looks on a white background.

Color Contrast Check

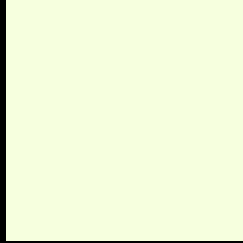
Large Text (above 18pt) WCAG AA × Fail

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 96.3868, 0.3263, 0.3617 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

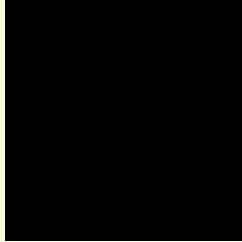
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

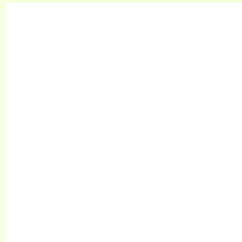
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 96.3868, 0.3263, 0.3617

Background



This preview shows how black text looks on a background with the Yxy color 96.3868, 0.3263, 0.3617.



This preview shows how white text looks on a background with the Yxy color 96.3868, 0.3263, 0.3617.

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

96.3868, 0.3263, 0.3617



Protanopia

96.5456, 0.3218, 0.3396

Deuteranopia

96.4085, 0.3171, 0.3309

Tritanopia

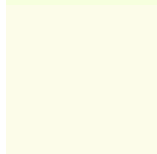
96.1004, 0.3104, 0.3242

Trichromacy



Original Color

96.3868, 0.3263, 0.3617



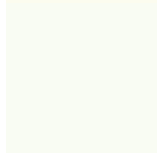
Protanomaly

96.1994, 0.3239, 0.3475



Deuteranomaly

96.5482, 0.3204, 0.3416



Tritanomaly

96.2316, 0.3161, 0.3378

Monochromacy



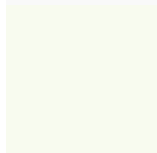
Original Color

96.3868, 0.3263, 0.3617



Achromatopsia

94.7307, 0.3127, 0.3290



Achromatomaly

95.1828, 0.3179, 0.3408

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.3868, 0.3263, 0.3617 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, 222)` looks like.

```
.text, #text, p{  
    color:rgb(246, 255, 222)  
}
```

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, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(246, 255, 222) }
```

Border

The CSS property to change the border of an element to Yxy 96.3868, 0.3263, 0.3617 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, 222) }
```

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

```
.border{ border-color:rgb(246, 255, 222) }
```

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, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(246, 255, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(246, 255, 222);  
box-shadow:4px 4px 4px 4px rgb(246, 255,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 96.3868, 0.3263, 0.3617 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, 222) }
```

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

```
.background{ background-color: rgb(246,  
255, 222) }
```

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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