

Converting Colors

$Yxy(97.0378, 0.3178, 0.3479)$

Have a look what the booklet for
Yxy(97.0378, 0.3178, 0.3479)
contains.

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Color

Yxy(96.9886, 0.3175, 0.3477)

Conversions

Conversions Part 1

Format	Color
Hex	F5FFEC
RGB	245, 255, 236
RGB Percent	96%, 100%, 93%
CMY	0.0390, 0.0000, 0.0746
CMYK	0.04, 0.00, 0.07, 0.00
HSL	91°, 100%, 96%
HSV	91°, 7%, 100%
XYZ	88.5645, 96.9886, 93.3902
YIQ	249.8440, 0.1390, -8.0290

Conversions

Conversions Part 2

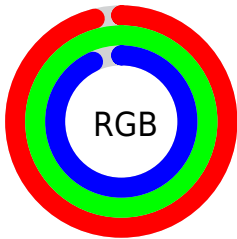
Format	Color
R_{YB}	236, 255, 246
Decimal	16121836
CIE Lab	98.82, -6.57, 7.95
CIE LCh	99, 10.308, 129.563
Yxy	96.9886, 0.3175, 0.3477
Android (android.graphics.Color)	4294311916 (0xFFFF5FFEC)
YUV	249.8440, -6.8251, -4.2482
Hunter-Lab	98.4828, -11.8218, 12.7138

Details

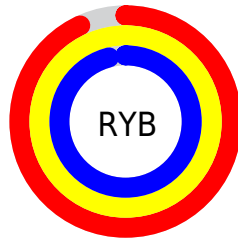
The Yxy color 96.9886, 0.3175, 0.3477 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 86.7770, 0.3076, 0.3103, and the grayscale version is 95.5264, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.5023, 0.3188, 0.3516 is the 20% darker color. If you saturate the color by 10%, you get 93.3004, 0.3239, 0.3747, and if you desaturate by 10%, it is 99.9977, 0.3127, 0.3290.

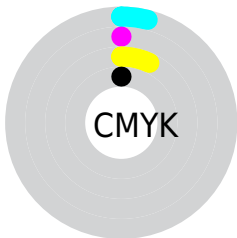
Distribution



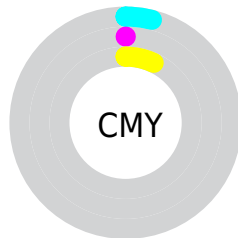
- Red (96%)
- Green (100%)
- Blue (93%)



- 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 96.9886, 0.3175, 0.3477 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 96.9886, 0.3175, 0.3477 by changing the saturation by 10% instead.


 96.9886, 0.3175,
0.3477

 96.9886, 0.3175,
0.3477


550.5119, 0.3154,
0.3394

 73.7912, 0.3179,
0.3495


157.0091, 0.3168,
0.3449

 54.6232, 0.3185,
0.3517


194.6010, 0.3165,
0.3438

 39.1001, 0.3191,
0.3545


237.7598, 0.3163,
0.3428

 26.8376, 0.3199,
0.3580

286.8699, 0.3161,
0.3420

 17.4513, 0.3209,
0.3626

342.3158, 0.3159,
0.3412

 10.5568, 0.3223,
0.3690

404.4819, 0.3157,

 5.7696, 0.3242,

0.3405

0.3783

473.7524, 0.3156,
0.3399

■ 2.7055, 0.3269,
0.3933

■ 0.9800, 0.3405,
0.4344

■ 96.9886, 0.3175,
0.3477

■ 96.9886, 0.3175,
0.3477

■ 93.3004, 0.3239,
0.3747

99.9977, 0.3127,
0.3290

■ 89.9801, 0.3299,
0.4037

■ 87.0187, 0.3353,
0.4339

■ 84.4019, 0.3397,
0.4645

■ 82.1144, 0.3425,
0.4940

■ 80.1396, 0.3434,
0.5209

■ 78.4588, 0.3422,
0.5436

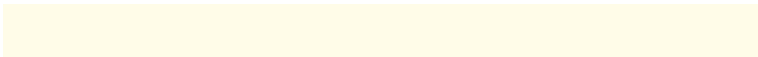
■ 77.0506, 0.3388,
0.5608

■ 75.8885, 0.3336,
0.5722

Harmonies

Analogous

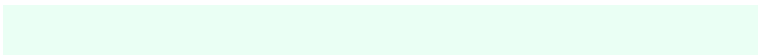
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.9886, 0.3277, 0.3484



96.9886, 0.3175, 0.3477



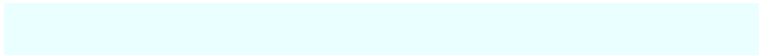
96.9886, 0.3061, 0.3417

Triad

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



96.9886, 0.3175, 0.3477



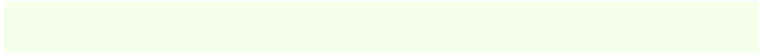
96.9886, 0.2919, 0.3139



96.9886, 0.3290, 0.3256

Complementary

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



96.9886, 0.3175, 0.3477



86.7770, 0.3076, 0.3103

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.



96.9886, 0.3191, 0.3168



96.9886, 0.3175, 0.3477



96.9886, 0.2977, 0.3100

Square

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



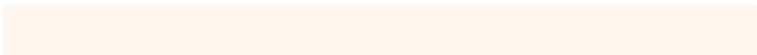
96.9886, 0.3175, 0.3477



96.9886, 0.2915, 0.3219



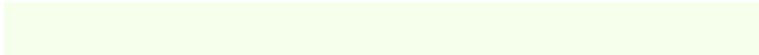
96.9886, 0.3076, 0.3111



96.9886, 0.3344, 0.3355

Rectangle

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



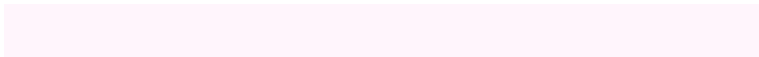
96.9886, 0.3175, 0.3477



96.9886, 0.2994, 0.3356



96.9886, 0.3076, 0.3111



96.9886, 0.3260, 0.3225

Sweetspot

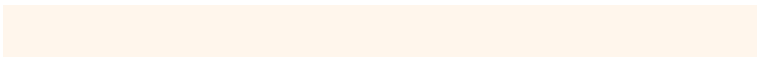
The Sweet Spot groups the original color and five complimentary colors.



96.9928, 0.3175, 0.3477



99.1732, 0.3140, 0.3339



93.1060, 0.3246, 0.3386



21.2358, 0.3139, 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.



96.9928, 0.3175, 0.3477



96.4021, 0.3185, 0.3517



95.4197, 0.3116, 0.3477



20.5928, 0.3188, 0.3531



39.6038, 0.3333, 0.5735



3.9206, 0.3420, 0.5667

Inverse Universe

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



86.7770, 0.3076, 0.3103



84.2050, 0.3065, 0.3063



88.4359, 0.3138, 0.3110



17.8454, 0.3061, 0.3050



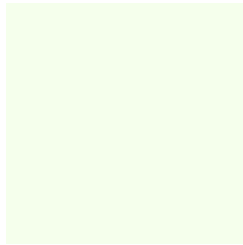
6.4862, 0.2067, 0.0912



0.6966, 0.2187, 0.0978

Previews

White Background



This preview shows how the Yxy color 96.9886, 0.3175, 0.3477 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 96.9886, 0.3175, 0.3477 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

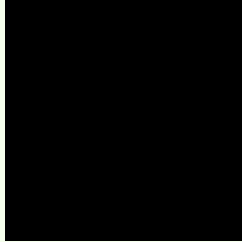
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

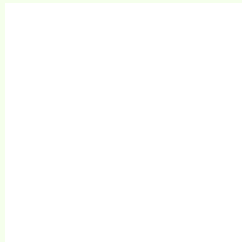
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 96.9886, 0.3175, 0.3477

Background



This preview shows how black text looks on a background with the Yxy color 96.9886, 0.3175, 0.3477.

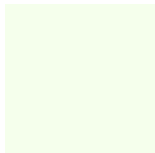


This preview shows how white text looks on a background with the Yxy color 96.9886, 0.3175, 0.3477.

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

96.9886, 0.3175, 0.3477



Protanopia

96.8469, 0.3188, 0.3348

Deuteranopia

97.1565, 0.3158, 0.3300

Tritanopia

96.7236, 0.3104, 0.3252

Trichromacy



Original Color

96.9886, 0.3175, 0.3477

Protanomaly

96.5408, 0.3179, 0.3387

Deuteranomaly

96.7226, 0.3162, 0.3358

Tritanomaly

96.5379, 0.3132, 0.3329

Monochromacy



Original Color

96.9886, 0.3175, 0.3477

Achromatopsia

95.5973, 0.3127, 0.3290

Achromatomaly

96.1698, 0.3143, 0.3358

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.9886, 0.3175, 0.3477 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, 236)` looks like.

```
.text, #text, p{  
    color:rgb(245, 255, 236)  
}
```

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, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(245, 255, 236) }
```

Border

The CSS property to change the border of an element to Yxy 96.9886, 0.3175, 0.3477 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, 236) }
```

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

```
.border{ border-color:rgb(245, 255, 236) }
```

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, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(245, 255, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(245, 255, 236);  
box-shadow:4px 4px 4px 4px rgb(245, 255,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 96.9886, 0.3175, 0.3477 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, 236) }
```

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

```
.background{ background-color: rgb(245,  
255, 236) }
```

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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