

Converting Colors

$Y_{xy}(100.0000, 0.3344, 0.3408)$

Have a look what the booklet for
Yxy(100.0000, 0.3344, 0.3408)
contains.

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Color

Yxy(96.4274, 0.3230, 0.3416)

Conversions

Conversions Part 1

Format	Color
Hex	FFFBEE
RGB	255, 251, 238
RGB Percent	100%, 98%, 93%
CMY	0.0000, 0.0157, 0.0668
CMYK	0.00, 0.02, 0.07, 0.00
HSL	46°, 100%, 97%
HSV	46°, 7%, 100%
XYZ	91.1770, 96.4274, 94.6773
YIQ	250.7140, 6.5570, -3.1950

Conversions

Conversions Part 2

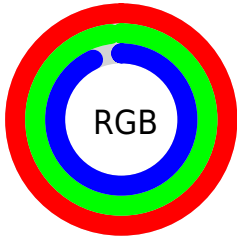
Format	Color
R _Y B	243, 255, 238
Decimal	16776174
CIE Lab	98.60, -0.85, 6.70
CIE LCh	99, 6.750, 97.267
Yxy	96.4274, 0.3230, 0.3416
Android (android.graphics.Color)	4294966254 (0xFFFFFBEE)
YUV	250.7140, -6.2680, 3.7588
Hunter-Lab	98.1975, -6.1072, 11.5737

Details

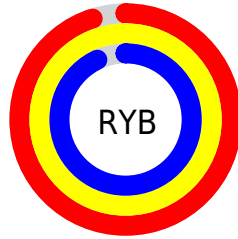
The Yxy color 96.4274, 0.3230, 0.3416 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.8860, 0.3024, 0.3161, and the grayscale version is 96.2643, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.4134, 0.3249, 0.3450 is the 20% darker color. If you saturate the color by 10%, you get 91.3431, 0.3394, 0.3612, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

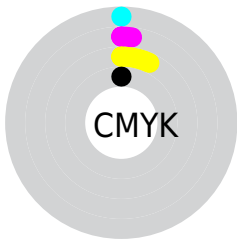
Distribution



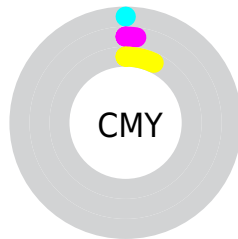
- Red (100%)
- Green (98%)
- Blue (93%)



- Red (95%)
- Yellow (100%)
- Blue (93%)



- Cyan (0%)
- Magenta (2%)
- Yellow (7%)
- Black (0%)





- Cyan (0%)
- Magenta (2%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.4274, 0.3230, 0.3416 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 96.4274, 0.3230, 0.3416 by changing the saturation by 10% instead.


 96.4274, 0.3230,
0.3416

 96.4274, 0.3230,
0.3416

548.7246, 0.3185,
0.3361

 73.3236, 0.3240,
0.3428


156.2351, 0.3215,
0.3397

 54.2406, 0.3252,
0.3443

193.7078, 0.3209,
0.3390

 38.7940, 0.3266,
0.3461


236.7390, 0.3203,
0.3383

 26.5995, 0.3285,
0.3484

285.7129, 0.3199,
0.3378

 17.2727, 0.3309,
0.3514

341.0140, 0.3195,
0.3373

 10.4291, 0.3342,
0.3555

403.0268, 0.3191,

 5.6844, 0.3390,

0.3368

0.3615

472.1355, 0.3188,
0.3364

■ 2.6541, 0.3465,
0.3709

■ 0.9540, 0.3676,
0.3962

■ 96.4274, 0.3230,
0.3416

■ 96.4274, 0.3230,
0.3416

■ 91.3431, 0.3394,
0.3612

100.0000, 0.3127,
0.3290

■ 86.5827, 0.3570,
0.3813

■ 82.1328, 0.3754,
0.4012

■ 77.9819, 0.3941,
0.4201

■ 74.1176, 0.4125,
0.4371

■ 70.5265, 0.4296,
0.4510

■ 67.1933, 0.4448,
0.4609

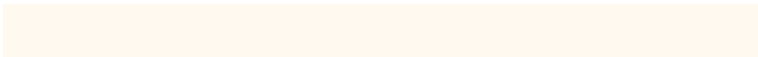
■ 64.1002, 0.4572,
0.4660

■ 61.2252, 0.4665,
0.4662

Harmonies

Analogous

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



96.4274, 0.3268, 0.3384



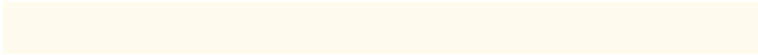
96.4274, 0.3230, 0.3416



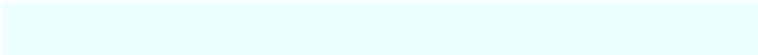
96.4274, 0.3165, 0.3414

Triad

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



96.4274, 0.3230, 0.3416



96.4274, 0.2989, 0.3249



96.4274, 0.3164, 0.3206

Complementary

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



96.4274, 0.3230, 0.3416



88.8860, 0.3024, 0.3161

Split Complementary

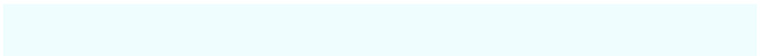
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.4274, 0.3089, 0.3170



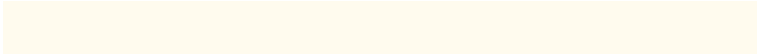
96.4274, 0.3230, 0.3416



96.4274, 0.2988, 0.3194

Square

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



96.4274, 0.3230, 0.3416



96.4274, 0.3026, 0.3316



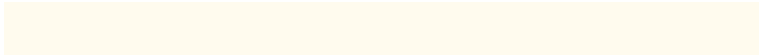
96.4274, 0.3025, 0.3166



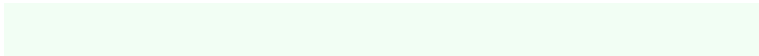
96.4274, 0.3229, 0.3263

Rectangle

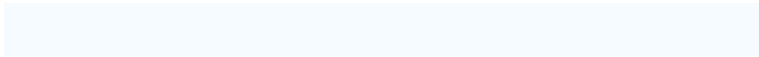
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96.4274, 0.3230, 0.3416



96.4274, 0.3115, 0.3393



96.4274, 0.3025, 0.3166



96.4274, 0.3139, 0.3191

Sweetspot

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



96.4244, 0.3230, 0.3416



98.9131, 0.3157, 0.3327



88.8210, 0.3214, 0.3249



21.1829, 0.3156, 0.3325



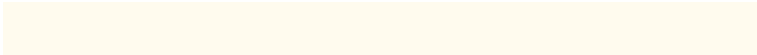
0.0000, 0.0000, 0.0000



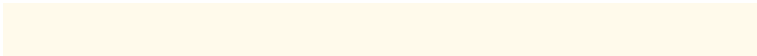
21.4041, 0.3127, 0.3290

Same Dimension

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



96.4244, 0.3230, 0.3416



95.7325, 0.3251, 0.3442



98.1535, 0.3199, 0.3455



20.3240, 0.3275, 0.3471



31.7525, 0.4682, 0.4665



3.2582, 0.4614, 0.4718

Inverse Universe

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



88.8860, 0.3024, 0.3161



86.7799, 0.3003, 0.3134



87.2747, 0.3052, 0.3122



18.0709, 0.2979, 0.3103



5.6472, 0.1571, 0.0856



0.7087, 0.1628, 0.1059

Previews

White Background



This preview shows how the Yxy color 96.4274, 0.3230, 0.3416 looks on a white background.

Color Contrast Check

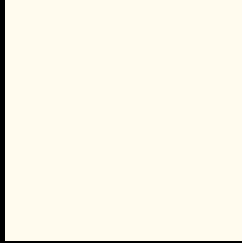
Large Text (above 18pt) WCAG AA × Fail

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 96.4274, 0.3230, 0.3416 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

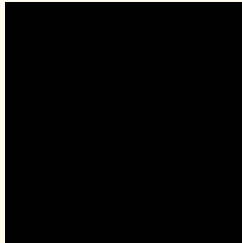
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 96.4274, 0.3230, 0.3416

Background



This preview shows how black text looks on a background with the Yxy color 96.4274, 0.3230, 0.3416.



This preview shows how white text looks on a background with the Yxy color 96.4274, 0.3230, 0.3416.

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

96.4274, 0.3230, 0.3416

Protanopia

96.1629, 0.3194, 0.3348

Deuteranopia

96.5333, 0.3159, 0.3290

Tritanopia

96.4739, 0.3117, 0.3242

Trichromacy



Original Color

96.4274, 0.3230, 0.3416

Protanomaly

96.0420, 0.3206, 0.3367

Deuteranomaly

96.2850, 0.3183, 0.3329

Tritanomaly

96.2816, 0.3158, 0.3300

Monochromacy



Original Color

96.4274, 0.3230, 0.3416

Achromatopsia

96.4686, 0.3127, 0.3290

Achromatomaly

96.3436, 0.3163, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.4274, 0.3230, 0.3416 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(255, 251, 238)` looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 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(255, 251, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 238) }
```

Border

The CSS property to change the border of an element to Yxy 96.4274, 0.3230, 0.3416 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(255, 251, 238) }
```

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

```
.border{ border-color:rgb(255, 251, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 251, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 238);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 96.4274, 0.3230, 0.3416 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 251, 238) }
```

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

```
.background{ background-color: rgb(255,  
251, 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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