

Converting Colors

$Y_{xy}(100.0000, 0.3355, 0.3418)$

Have a look what the booklet for
Yxy(100.0000, 0.3355, 0.3418)
contains.

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Color

Yxy(96.3688, 0.3236, 0.3426)

Conversions

Conversions Part 1

Format	Color
Hex	FFFBED
RGB	255, 251, 237
RGB Percent	100%, 98%, 93%
CMY	0.0000, 0.0157, 0.0707
CMYK	0.00, 0.02, 0.07, 0.00
HSL	47°, 100%, 96%
HSV	47°, 7%, 100%
XYZ	91.0244, 96.3688, 93.8935
YIQ	250.6000, 6.8780, -3.5060

Conversions

Conversions Part 2

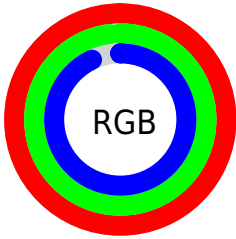
Format	Color
R_{YB}	242, 255, 237
Decimal	16776173
CIE Lab	98.58, -1.03, 7.18
CIE LCh	99, 7.257, 98.151
Yxy	96.3688, 0.3236, 0.3426
Android (android.graphics.Color)	4294966253 (0xFFFFFBED)
YUV	250.6000, -6.7048, 3.8588
Hunter-Lab	98.1676, -6.2820, 12.0088

Details

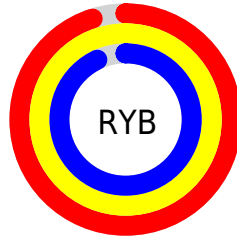
The Yxy color 96.3688, 0.3236, 0.3426 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 88.1037, 0.3018, 0.3150, and the grayscale version is 96.1700, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.3722, 0.3257, 0.3462 is the 20% darker color. If you saturate the color by 10%, you get 91.5055, 0.3400, 0.3626, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

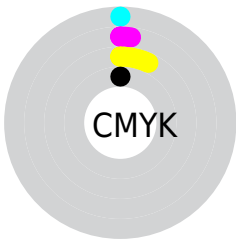
Distribution



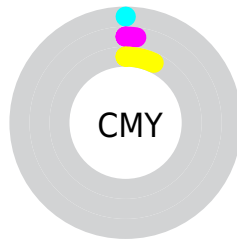
- Red (100%)
- Green (98%)
- Blue (93%)



- 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 96.3688, 0.3236, 0.3426 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 96.3688, 0.3236, 0.3426 by changing the saturation by 10% instead.

 96.3688, 0.3236,
0.3426

 96.3688, 0.3236,
0.3426


548.5378, 0.3188,
0.3366

 73.2748, 0.3246,
0.3439

156.1543, 0.3220,
0.3406

 54.2007, 0.3259,
0.3455


193.6145, 0.3213,
0.3398

 38.7621, 0.3274,
0.3474


236.6323, 0.3208,
0.3391

 26.5747, 0.3294,
0.3499

285.5920, 0.3203,
0.3385

 17.2541, 0.3320,
0.3532

340.8780, 0.3199,
0.3379

 10.4158, 0.3355,
0.3576

402.8747, 0.3195,

 5.6755, 0.3405,

0.3374

0.3641

471.9665, 0.3191,
0.3370

■ 2.6488, 0.3484,
0.3743

■ 0.9513, 0.3719,
0.4029

■ 96.3688, 0.3236,
0.3426

■ 96.3688, 0.3236,
0.3426

■ 91.5055, 0.3400,
0.3626

100.0000, 0.3127,
0.3290

■ 86.9497, 0.3575,
0.3829

■ 82.6909, 0.3757,
0.4031

■ 78.7180, 0.3941,
0.4223

■ 75.0187, 0.4120,
0.4394

■ 71.5796, 0.4287,
0.4534

■ 68.3856, 0.4432,
0.4632

■ 65.4190, 0.4549,
0.4684

■ 62.6575, 0.4636,
0.4687

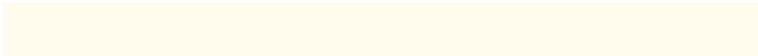
Harmonies

Analogous

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



96.3688, 0.3278, 0.3393



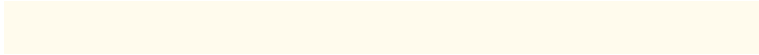
96.3688, 0.3236, 0.3426



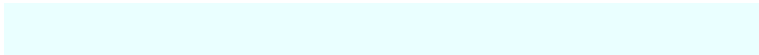
96.3688, 0.3165, 0.3422

Triad

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



96.3688, 0.3236, 0.3426



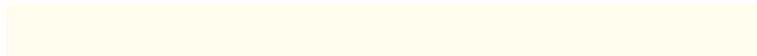
96.3688, 0.2978, 0.3244



96.3688, 0.3169, 0.3201

Complementary

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



96.3688, 0.3236, 0.3426



88.1037, 0.3018, 0.3150

Split Complementary

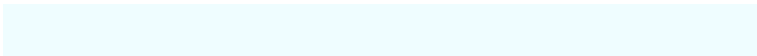
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.3688, 0.3088, 0.3162



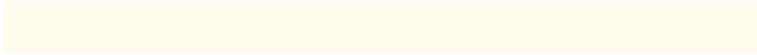
96.3688, 0.3236, 0.3426



96.3688, 0.2979, 0.3186

Square

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



96.3688, 0.3236, 0.3426



96.3688, 0.3016, 0.3316



96.3688, 0.3019, 0.3156



96.3688, 0.3239, 0.3263

Rectangle

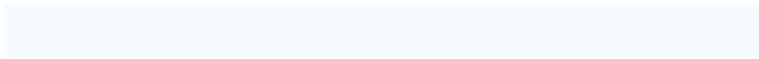
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96.3688, 0.3236, 0.3426



96.3688, 0.3111, 0.3399



96.3688, 0.3019, 0.3156



96.3688, 0.3142, 0.3185

Sweetspot

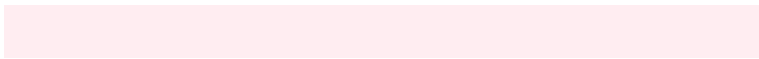
The Sweet Spot groups the original color and five complimentary colors.



96.3687, 0.3236, 0.3426



98.9570, 0.3157, 0.3328



88.1672, 0.3222, 0.3249



21.1919, 0.3156, 0.3326



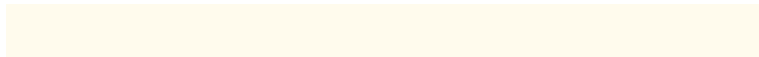
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



96.3687, 0.3236, 0.3426



95.9051, 0.3251, 0.3444



97.9912, 0.3202, 0.3466



20.3677, 0.3275, 0.3474



32.5650, 0.4649, 0.4691



3.3310, 0.4586, 0.4740

Inverse Universe

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



88.1037, 0.3018, 0.3150



86.6173, 0.3003, 0.3131



86.6030, 0.3049, 0.3112



18.0302, 0.2979, 0.3099



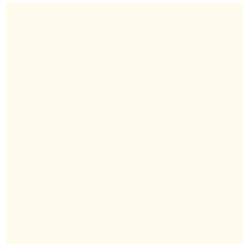
5.4551, 0.1564, 0.0831



0.6848, 0.1619, 0.1030

Previews

White Background



This preview shows how the Yxy color 96.3688, 0.3236, 0.3426 looks on a white background.

Color Contrast Check

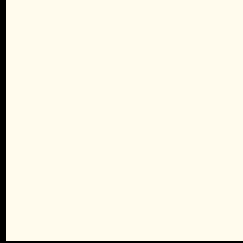
Large Text (above 18pt) WCAG AA × Fail

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 96.3688, 0.3236, 0.3426 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

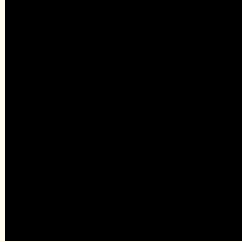
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 96.3688, 0.3236, 0.3426

Background



This preview shows how black text looks on a background with the Yxy color 96.3688, 0.3236, 0.3426.

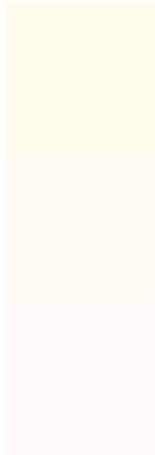


This preview shows how white text looks on a background with the Yxy color 96.3688, 0.3236, 0.3426.

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

96.3688, 0.3236, 0.3426

Protanopia

96.1629, 0.3194, 0.3348

Deuteranopia

96.4708, 0.3165, 0.3300

Tritanopia

96.4739, 0.3117, 0.3242

Trichromacy



Original Color

96.3688, 0.3236, 0.3426

Protanomaly

95.9821, 0.3212, 0.3377

Deuteranomaly

96.2238, 0.3188, 0.3338

Tritanomaly

96.2194, 0.3164, 0.3309

Monochromacy



Original Color

96.3688, 0.3236, 0.3426



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 96.3688, 0.3236, 0.3426 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 $rgb(255, 251, 237)$ looks like.

```
.text, #text, p{  
    color:rgb(255, 251, 237)  
}
```

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, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 251, 237) }
```

Border

The CSS property to change the border of an element to Yxy 96.3688, 0.3236, 0.3426 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, 237) }
```

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

```
.border{ border-color:rgb(255, 251, 237) }
```

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, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 251, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 251, 237);  
box-shadow:4px 4px 4px 4px rgb(255, 251,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 96.3688, 0.3236, 0.3426 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, 237) }
```

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

```
.background{ background-color: rgb(255,  
251, 237) }
```

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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