

Converting Colors

$Y_{xy}(100.0000, 0.3337, 0.3437)$

Have a look what the booklet for
Yxy(100.0000, 0.3337, 0.3437)
contains.

Yxy(96.9369, 0.3241, 0.3445)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(96.9369, 0.3241, 0.3445)

Conversions

Conversions Part 1

Format	Color
Hex	FFFCEC
RGB	255, 252, 236
RGB Percent	100%, 99%, 93%
CMY	0.0000, 0.0118, 0.0746
CMYK	0.00, 0.01, 0.07, 0.00
HSL	51°, 100%, 96%
HSV	51°, 7%, 100%
XYZ	91.1967, 96.9369, 93.2508
YIQ	251.0730, 6.9240, -4.3400

Conversions

Conversions Part 2

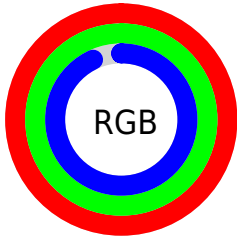
Format	Color
R _Y B	240, 255, 236
Decimal	16776428
CIE Lab	98.80, -1.69, 8.01
CIE LCh	99, 8.182, 101.897
Yxy	96.9369, 0.3241, 0.3445
Android (android.graphics.Color)	4294966508 (0xFFFFFCEC)
YUV	251.0730, -7.4310, 3.4440
Hunter-Lab	98.4565, -6.9610, 12.7645

Details

The Yxy color 96.9369, 0.3241, 0.3445 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 86.7777, 0.3012, 0.3130, and the grayscale version is 96.5894, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.3313, 0.3265, 0.3475 is the 20% darker color. If you saturate the color by 10%, you get 93.0563, 0.3402, 0.3660, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

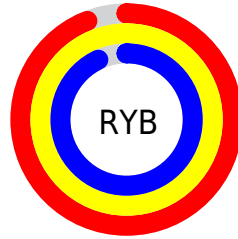
Distribution



Red (100%)

Green (99%)

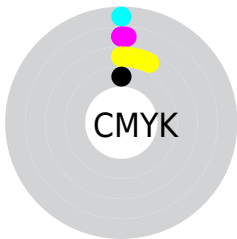
Blue (93%)



Red (94%)

Yellow (100%)

Blue (93%)

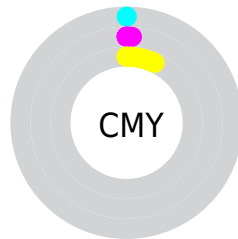


Cyan (0%)

Magenta (1%)

Yellow (7%)

Black (0%)



Cyan (0%)


Magenta (1%)


Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.9369, 0.3241, 0.3445 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 96.9369, 0.3241, 0.3445 by changing the saturation by 10% instead.


 96.9369, 0.3241,
0.3445

 96.9369, 0.3241,
0.3445


550.3473, 0.3191,
0.3377

 73.7481, 0.3252,
0.3460


156.9378, 0.3224,
0.3422

 54.5879, 0.3265,
0.3478


194.5187, 0.3217,
0.3413

 39.0719, 0.3281,
0.3500


237.6658, 0.3212,
0.3405

 26.8156, 0.3301,
0.3529


286.7634, 0.3207,
0.3398

 17.4348, 0.3328,
0.3566

342.1960, 0.3202,
0.3392

 10.5450, 0.3364,
0.3617

404.3479, 0.3198,

 5.7618, 0.3416,

0.3386

0.3690

473.6035, 0.3194,
0.3381

■ 2.7008, 0.3497,
0.3806

■ 0.9776, 0.3746,
0.4134

■ 96.9369, 0.3241,
0.3445

■ 96.9369, 0.3241,
0.3445

■ 93.0563, 0.3402,
0.3660

100.0000, 0.3127,
0.3290

■ 89.4328, 0.3571,
0.3879

■ 86.0554, 0.3743,
0.4094

■ 82.9134, 0.3912,
0.4296

■ 79.9951, 0.4073,
0.4476

■ 77.2877, 0.4217,
0.4623

■ 74.7766, 0.4338,
0.4729

■ 72.4447, 0.4431,
0.4788

■ 70.2697, 0.4495,
0.4802

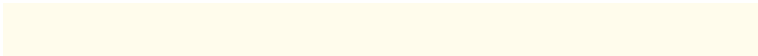
Harmonies

Analogous

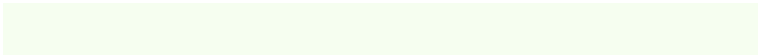
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.9369, 0.3293, 0.3412



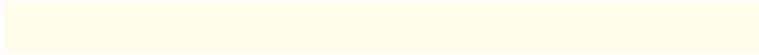
96.9369, 0.3241, 0.3445



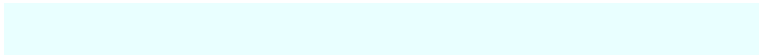
96.9369, 0.3158, 0.3436

Triad

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



96.9369, 0.3241, 0.3445



96.9369, 0.2957, 0.3229



96.9369, 0.3185, 0.3198

Complementary

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



96.9369, 0.3241, 0.3445



86.7777, 0.3012, 0.3130

Split Complementary

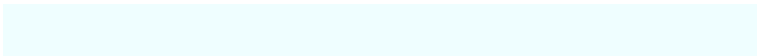
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.9369, 0.3094, 0.3150



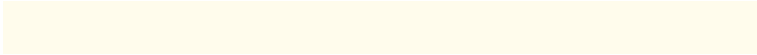
96.9369, 0.3241, 0.3445



96.9369, 0.2963, 0.3166

Square

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



96.9369, 0.3241, 0.3445



96.9369, 0.2995, 0.3309



96.9369, 0.3013, 0.3138



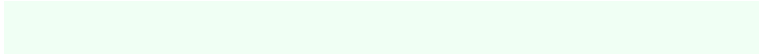
96.9369, 0.3261, 0.3269

Rectangle

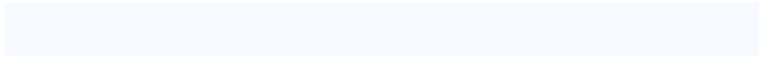
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96.9369, 0.3241, 0.3445



96.9369, 0.3098, 0.3406



96.9369, 0.3013, 0.3138



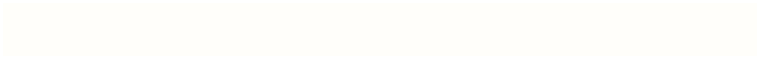
96.9369, 0.3155, 0.3178

Sweetspot

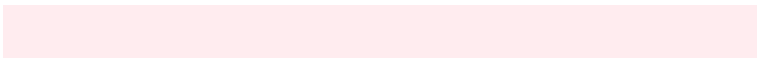
The Sweet Spot groups the original color and five complimentary colors.



96.9357, 0.3241, 0.3445



99.1633, 0.3157, 0.3331



87.4855, 0.3235, 0.3259



21.2338, 0.3156, 0.3329



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.



96.9357, 0.3241, 0.3445



96.3194, 0.3265, 0.3478



97.6533, 0.3198, 0.3476



20.5735, 0.3273, 0.3489



36.6201, 0.4503, 0.4807



3.6909, 0.4462, 0.4839

Inverse Universe

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



86.7777, 0.3012, 0.3130



84.1867, 0.2987, 0.3095



86.1392, 0.3053, 0.3102



17.8406, 0.2979, 0.3083



4.7107, 0.1537, 0.0731



0.5858, 0.1584, 0.0903

Previews

White Background



This preview shows how the Yxy color 96.9369, 0.3241, 0.3445 looks on a white background.

Color Contrast Check

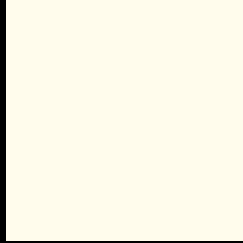
Large Text (above 18pt) WCAG AA × Fail

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 96.9369, 0.3241, 0.3445 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

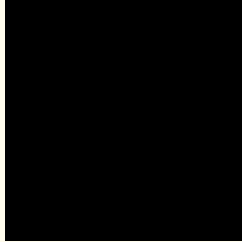
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 96.9369, 0.3241, 0.3445

Background



This preview shows how black text looks on a background with the Yxy color 96.9369, 0.3241, 0.3445.



This preview shows how white text looks on a background with the Yxy color 96.9369, 0.3241, 0.3445.

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

96.9369, 0.3241, 0.3445



Protanopia

96.8469, 0.3188, 0.3348

Deuteranopia

97.1565, 0.3158, 0.3300

Tritanopia

97.0970, 0.3116, 0.3252

Trichromacy



Original Color

96.9369, 0.3241, 0.3445

Protanomaly

96.6652, 0.3206, 0.3377

Deuteranomaly

96.8469, 0.3188, 0.3348

Tritanomaly

96.8425, 0.3164, 0.3319

Monochromacy



Original Color

96.9369, 0.3241, 0.3445



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 96.9369, 0.3241, 0.3445 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 $rgb(255, 252, 236)$ looks like.

```
.text, #text, p{  
    color:rgb(255, 252, 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(255, 252, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 252, 236) }
```

Border

The CSS property to change the border of an element to Yxy 96.9369, 0.3241, 0.3445 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, 252, 236) }
```

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

```
.border{ border-color:rgb(255, 252, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 252, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 252, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 252, 236);  
box-shadow:4px 4px 4px 4px rgb(255, 252,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 96.9369, 0.3241, 0.3445 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 252, 236) }
```

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

```
.background{ background-color: rgb(255,  
252, 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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor