

Converting Colors

$Y_{xy}(100.0000, 0.3468, 0.3681)$

Have a look what the booklet for
Yxy(100.0000, 0.3468, 0.3681)
contains.

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Color

Yxy(96.9477, 0.3377, 0.3691)

Conversions

Conversions Part 1

Format	Color
Hex	FFFED5
RGB	255, 254, 213
RGB Percent	100%, 100%, 84%
CMY	0.0000, 0.0039, 0.1646
CMYK	0.00, 0.00, 0.16, 0.00
HSL	59°, 100%, 92%
HSV	59°, 16%, 100%
XYZ	88.7002, 96.9477, 77.0118
YIQ	249.6250, 13.7570, -12.5390

Conversions

Conversions Part 2

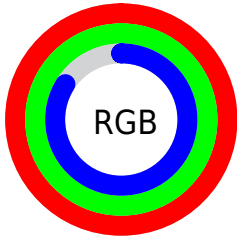
Format	Color
RYB	214, 255, 213
Decimal	16776917
CIELab	98.81, -6.25, 19.75
CIELCh	99, 20.713, 107.553
Yxy	96.9477, 0.3377, 0.3691
Android (android.graphics.Color)	4294966997 (0xFFFFFED5)
YUV	249.6250, -18.0561, 4.7139
Hunter-Lab	98.4620, -11.5056, 22.5499

Details

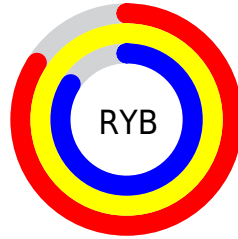
The Yxy color **96.9477, 0.3377, 0.3691** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.4843, 0.2858, 0.2855**, and the grayscale version is **95.4177, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **54.4069, 0.3431, 0.3776** is the 20% darker color. If you saturate the color by 10%, you get **95.3679, 0.3532, 0.3939**, and if you desaturate by 10%, it is **98.7342, 0.3223, 0.3445**.

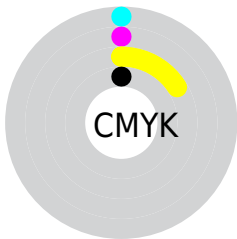
Distribution



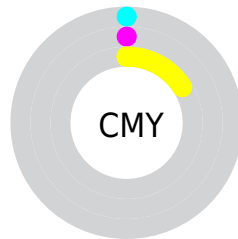
- Red (100%)
- Green (100%)
- Blue (84%)



- Red (84%)
- Yellow (100%)
- Blue (84%)



- Cyan (0%)
- Magenta (0%)
- Yellow (16%)
- Black (0%)



- Cyan (0%)
- Magenta (0%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.9477, 0.3377, 0.3691 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 96.9477, 0.3377, 0.3691 by changing the saturation by 10% instead.


 96.9477, 0.3377,
0.3691

 96.9477, 0.3377,
0.3691

550.3817, 0.3269,
0.3513

 73.7571, 0.3400,
0.3730


156.9527, 0.3341,
0.3631

 54.5953, 0.3428,
0.3777

194.5359, 0.3326,
0.3607

 39.0778, 0.3462,
0.3836


237.6854, 0.3314,
0.3586

 26.8202, 0.3504,
0.3910

286.7857, 0.3302,
0.3568

 17.4383, 0.3559,
0.4007

342.2210, 0.3293,
0.3552

 10.5474, 0.3630,
0.4139

404.3759, 0.3284,

 5.7634, 0.3728,

0.3537

0.4329

473.6346, 0.3276,
0.3525

■ 2.7018, 0.3865,
0.4620

■ 0.9781, 0.4418,
0.5582

■ 96.9477, 0.3377,
0.3691

■ 96.9477, 0.3377,
0.3691

■ 95.3679, 0.3532,
0.3939

■ 98.7342, 0.3223,
0.3445

■ 93.9825, 0.3685,
0.4181

100.0000, 0.3127,
0.3290

■ 92.7822, 0.3828,
0.4407

■ 91.7559, 0.3956,
0.4607

■ 90.8910, 0.4063,
0.4773

■ 90.1737, 0.4145,
0.4896

■ 89.5873, 0.4200,
0.4975

■ 89.1114, 0.4229,
0.5012

■ 88.9583, 0.4236,
0.5019

Harmonies

Analogous

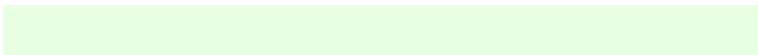
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.9477, 0.3532, 0.3617



96.9477, 0.3377, 0.3691



96.9477, 0.3158, 0.3651

Triad

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



96.9477, 0.3377, 0.3691



96.9477, 0.2698, 0.3093



96.9477, 0.3312, 0.3090

Complementary

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



96.9477, 0.3377, 0.3691



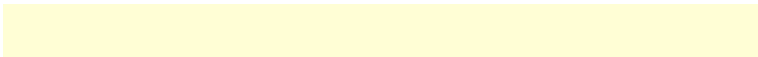
69.4843, 0.2858, 0.2855

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.



96.9477, 0.3083, 0.2961



96.9477, 0.3377, 0.3691



96.9477, 0.2734, 0.2956

Square

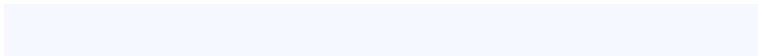
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



96.9477, 0.3377, 0.3691



96.9477, 0.2770, 0.3293



96.9477, 0.2873, 0.2911



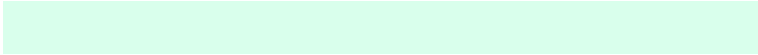
96.9477, 0.3496, 0.3270

Rectangle

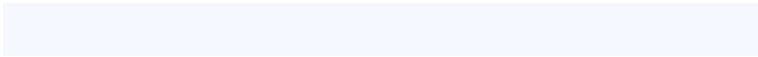
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96.9477, 0.3377, 0.3691



96.9477, 0.3007, 0.3561



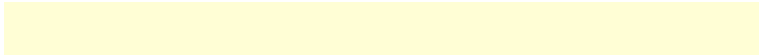
96.9477, 0.2873, 0.2911



96.9477, 0.3238, 0.3040

Sweetspot

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



96.9486, 0.3377, 0.3691



99.0118, 0.3201, 0.3410



73.7445, 0.3432, 0.3277



21.1638, 0.3212, 0.3427



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.



96.9486, 0.3377, 0.3691



96.3655, 0.3432, 0.3779



94.0593, 0.3248, 0.3717



21.0119, 0.3270, 0.3519



46.5162, 0.4235, 0.5019



4.5518, 0.4230, 0.5023

Inverse Universe

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



69.4843, 0.2858, 0.2855



63.8240, 0.2793, 0.2749



72.0868, 0.2990, 0.2861



17.4471, 0.2978, 0.3050



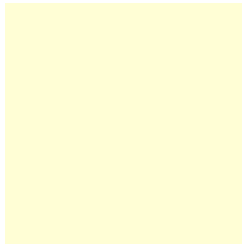
3.8717, 0.1504, 0.0614



0.4004, 0.1514, 0.0648

Previews

White Background



This preview shows how the Yxy color 96.9477, 0.3377, 0.3691 looks on a white background.

Color Contrast Check

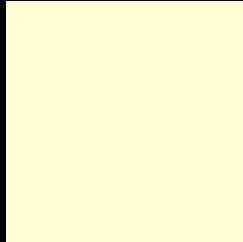
Large Text (above 18pt) WCAG AA × Fail

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 96.9477, 0.3377, 0.3691 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

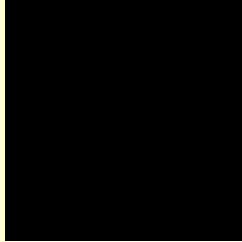
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 96.9477, 0.3377, 0.3691

Background



This preview shows how black text looks on a background with the Yxy color 96.9477, 0.3377, 0.3691.

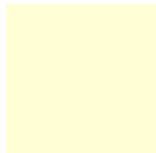


This preview shows how white text looks on a background with the Yxy color 96.9477, 0.3377, 0.3691.

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

96.9477, 0.3377, 0.3691



Protanopia

96.6652, 0.3206, 0.3377

Deuteranopia

97.0939, 0.3164, 0.3309

Tritanopia

96.6620, 0.3123, 0.3242

Trichromacy



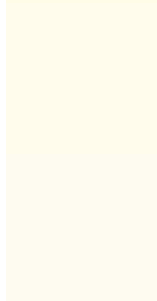
Original Color

96.9477, 0.3377, 0.3691



Protanomaly

96.6503, 0.3271, 0.3494



Deuteranomaly

96.9369, 0.3241, 0.3445

Tritanomaly

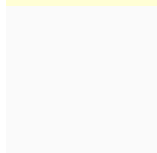
96.3565, 0.3211, 0.3397

Monochromacy



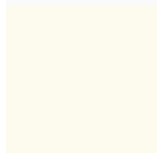
Original Color

96.9477, 0.3377, 0.3691



Achromatopsia

95.5973, 0.3127, 0.3290



Achromatomaly

95.8042, 0.3216, 0.3426

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.9477, 0.3377, 0.3691 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, 254, 213)` looks like.

```
.text, #text, p{  
    color:rgb(255, 254, 213)  
}
```

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, 254, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 213) }
```

Border

The CSS property to change the border of an element to Yxy 96.9477, 0.3377, 0.3691 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, 254, 213) }
```

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

```
.border{ border-color:rgb(255, 254, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 254, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 213);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 96.9477, 0.3377, 0.3691 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 254, 213) }
```

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

```
.background{ background-color: rgb(255,  
254, 213) }
```

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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