

Converting Colors

$Y_{xy}(111.8240, 0.3811, 0.3597)$

Have a look what the booklet for
Yxy(111.8240, 0.3811, 0.3597)
contains.

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Color

Yxy(96.4684, 0.3360, 0.3652)

Conversions

Conversions Part 1

Format	Color
Hex	FFFDD8
RGB	255, 253, 216
RGB Percent	100%, 99%, 85%
CMY	0.0001, 0.0078, 0.1528
CMYK	0.00, 0.01, 0.15, 0.00
HSL	57°, 100%, 92%
HSV	57°, 15%, 100%
XYZ	88.7552, 96.4684, 78.9287
YIQ	249.3800, 13.0690, -11.0830

Conversions

Conversions Part 2

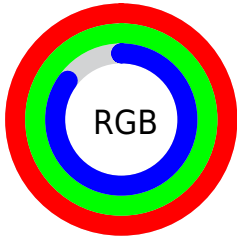
Format	Color
R _Y B	218, 255, 216
Decimal	16776664
CIE Lab	98.62, -5.33, 17.96
CIE LCh	99, 18.730, 106.530
Yxy	96.4684, 0.3360, 0.3652
Android (android.graphics.Color)	4294966744 (0xFFFFFDD8)
YUV	249.3800, -16.4563, 4.9287
Hunter-Lab	98.2183, -10.5803, 21.1071

Details

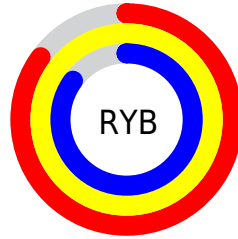
The Yxy color **96.4684, 0.3360, 0.3652** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **71.9606, 0.2879, 0.2900**, and the grayscale version is **95.1916, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **54.0588, 0.3410, 0.3726** is the 20% darker color. If you saturate the color by 10%, you get **94.4469, 0.3518, 0.3895**, and if you desaturate by 10%, it is **98.7085, 0.3206, 0.3413**.

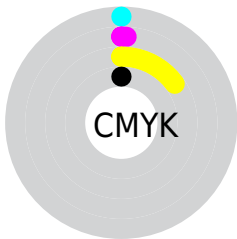
Distribution



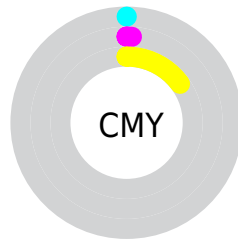
- Red (100%)
- Green (99%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (85%)



- Cyan (0%)
- Magenta (1%)
- Yellow (15%)
- Black (0%)





- Cyan (0%)
- Magenta (1%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 96.4684, 0.3360, 0.3652 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 96.4684, 0.3360, 0.3652 by changing the saturation by 10% instead.


 96.4684, 0.3360,
0.3652

 96.4684, 0.3360,
0.3652


548.8553, 0.3259,
0.3491

 73.3577, 0.3382,
0.3687


156.2917, 0.3326,
0.3598

 54.2685, 0.3408,
0.3730

193.7731, 0.3312,
0.3576

 38.8164, 0.3440,
0.3783


236.8136, 0.3301,
0.3557

 26.6169, 0.3480,
0.3850

285.7975, 0.3290,
0.3541

 17.2857, 0.3532,
0.3938

341.1092, 0.3281,
0.3526

 10.4384, 0.3601,
0.4057

403.1331, 0.3273,

 5.6906, 0.3695,

0.3513

0.4230

472.2537, 0.3265,
0.3502

■ 2.6579, 0.3831,
0.4496

■ 0.9558, 0.4483,
0.5517

■ 96.4684, 0.3360,
0.3652

■ 96.4684, 0.3360,
0.3652

■ 94.4469, 0.3518,
0.3895

■ 98.7085, 0.3206,
0.3413

■ 92.6218, 0.3674,
0.4133

99.9947, 0.3127,
0.3290

■ 90.9872, 0.3824,
0.4357

■ 89.5320, 0.3960,
0.4558

■ 88.2441, 0.4077,
0.4725

■ 87.1095, 0.4170,
0.4851

■ 86.1122, 0.4235,
0.4933

■ 85.2323, 0.4274,
0.4971

■ 84.8437, 0.4286,
0.4979

Harmonies

Analogous

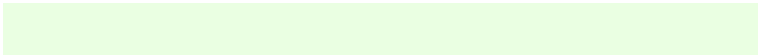
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.4684, 0.3497, 0.3584



96.4684, 0.3360, 0.3652



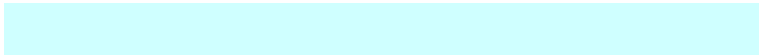
96.4684, 0.3163, 0.3618

Triad

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



96.4684, 0.3360, 0.3652



96.4684, 0.2738, 0.3118



96.4684, 0.3288, 0.3104

Complementary

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



96.4684, 0.3360, 0.3652



71.9606, 0.2879, 0.2900

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.



96.4684, 0.3081, 0.2988



96.4684, 0.3360, 0.3652



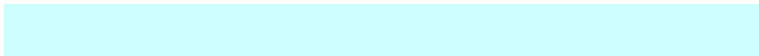
96.4684, 0.2768, 0.2990

Square

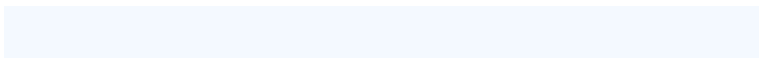
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



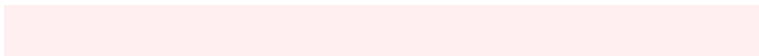
96.4684, 0.3360, 0.3652



96.4684, 0.2807, 0.3300



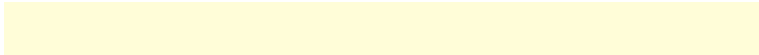
96.4684, 0.2891, 0.2946



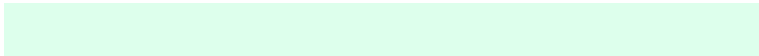
96.4684, 0.3456, 0.3267

Rectangle

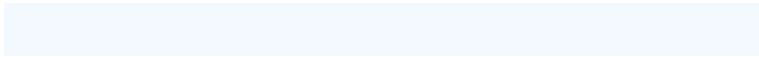
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96.4684, 0.3360, 0.3652



96.4684, 0.3026, 0.3540



96.4684, 0.2891, 0.2946



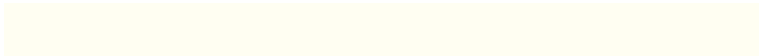
96.4684, 0.3221, 0.3058

Sweetspot

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



96.4727, 0.3360, 0.3652



98.7972, 0.3202, 0.3406



75.4779, 0.3397, 0.3265



21.1114, 0.3212, 0.3423



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.



96.4727, 0.3360, 0.3652



95.9237, 0.3403, 0.3718



94.6557, 0.3247, 0.3684



20.9248, 0.3270, 0.3513



44.4120, 0.4284, 0.4981



4.3705, 0.4273, 0.4989

Inverse Universe

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



71.9606, 0.2879, 0.2900



67.5822, 0.2830, 0.2823



73.6544, 0.2992, 0.2893



17.5242, 0.2978, 0.3057



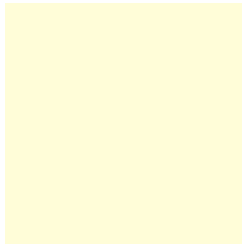
3.9815, 0.1508, 0.0630



0.4370, 0.1528, 0.0701

Previews

White Background



This preview shows how the Yxy color 96.4684, 0.3360, 0.3652 looks on a white background.

Color Contrast Check

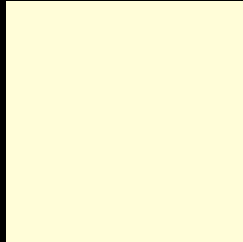
Large Text (above 18pt) WCAG AA × Fail

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 96.4684, 0.3360, 0.3652 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

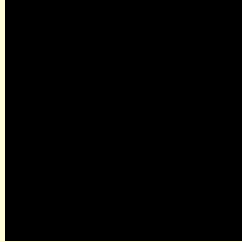
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 96.4684, 0.3360, 0.3652

Background



This preview shows how black text looks on a background with the Yxy color 96.4684, 0.3360, 0.3652.



This preview shows how white text looks on a background with the Yxy color 96.4684, 0.3360, 0.3652.

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

96.4684, 0.3360, 0.3652



Protanopia

96.6052, 0.3212, 0.3387

Deuteranopia

96.4085, 0.3171, 0.3309

Tritanopia

96.6620, 0.3123, 0.3242

Trichromacy



Original Color

96.4684, 0.3360, 0.3652



Protanomaly

96.7070, 0.3265, 0.3484



Deuteranomaly

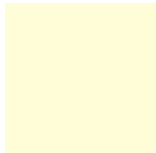
96.3105, 0.3242, 0.3435



Tritanomaly

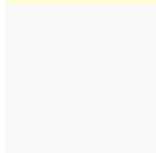
96.4161, 0.3205, 0.3387

Monochromacy



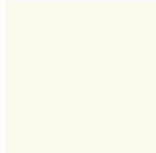
Original Color

96.4684, 0.3360, 0.3652



Achromatopsia

94.7307, 0.3127, 0.3290



Achromatomaly

94.9949, 0.3211, 0.3417

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.4684, 0.3360, 0.3652 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, 253, 216)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 216)  
}
```

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, 253, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 216) }
```

Border

The CSS property to change the border of an element to Yxy 96.4684, 0.3360, 0.3652 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, 253, 216) }
```

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

```
.border{ border-color:rgb(255, 253, 216) }
```

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

Here you see how a box with a 4 pixel rgb(255, 253, 216) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 216);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 96.4684, 0.3360, 0.3652 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 253, 216) }
```

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

```
.background{ background-color: rgb(255,  
253, 216) }
```

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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