

Converting Colors

$Y_{xy}(111.3823, 0.3803, 0.3585)$

Have a look what the booklet for
Yxy(111.3823, 0.3803, 0.3585)
contains.

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Color

Yxy(96.5203, 0.3354, 0.3642)

Conversions

Conversions Part 1

Format	Color
Hex	FFFDD9
RGB	255, 253, 217
RGB Percent	100%, 99%, 85%
CMY	0.0001, 0.0078, 0.1489
CMYK	0.00, 0.01, 0.15, 0.00
HSL	57°, 100%, 93%
HSV	57°, 15%, 100%
XYZ	88.8877, 96.5203, 79.6120
YIQ	249.4940, 12.7480, -10.7720

Conversions

Conversions Part 2

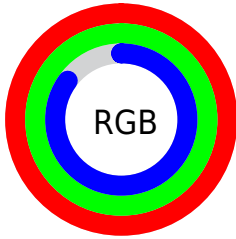
Format	Color
R _Y B	219, 255, 217
Decimal	16776665
CIE Lab	98.64, -5.17, 17.47
CIE LCh	99, 18.224, 106.495
Yxy	96.5203, 0.3354, 0.3642
Android (android.graphics.Color)	4294966745 (0xFFFFFDD9)
YUV	249.4940, -16.0195, 4.8288
Hunter-Lab	98.2447, -10.4290, 20.7260

Details

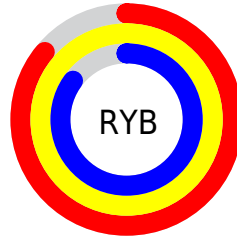
The Yxy color 96.5203, 0.3354, 0.3642 is a light color, and the websafe version is hex FFFFCC. A complement of this color would be 72.6415, 0.2886, 0.2912, and the grayscale version is 95.2881, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.0943, 0.3402, 0.3714 is the 20% darker color. If you saturate the color by 10%, you get 94.4642, 0.3512, 0.3884, and if you desaturate by 10%, it is 98.7957, 0.3200, 0.3403.

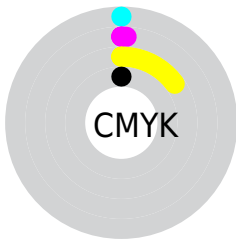
Distribution



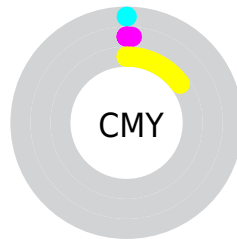
- Red (100%)
- Green (99%)
- Blue (85%)



- Red (86%)
- 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 96.5203, 0.3354, 0.3642 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 96.5203, 0.3354, 0.3642 by changing the saturation by 10% instead.


 96.5203, 0.3354,
0.3642

 96.5203, 0.3354,
0.3642

549.0207, 0.3255,
0.3486

 73.4010, 0.3375,
0.3676

156.3633, 0.3321,
0.3589

 54.3039, 0.3401,
0.3718


193.8557, 0.3308,
0.3568

 38.8447, 0.3432,
0.3769


236.9080, 0.3296,
0.3550

 26.6389, 0.3471,
0.3834

285.9045, 0.3286,
0.3534

 17.3022, 0.3522,
0.3920

341.2297, 0.3277,
0.3520

 10.4502, 0.3589,
0.4036

403.2678, 0.3269,

 5.6985, 0.3682,

0.3507

0.4204

472.4033, 0.3262,
0.3496

■ 2.6626, 0.3816,
0.4463

■ 0.9582, 0.4496,
0.5504

■ 96.5203, 0.3354,
0.3642

■ 96.5203, 0.3354,
0.3642

■ 94.4642, 0.3512,
0.3884

■ 98.7957, 0.3200,
0.3403

■ 92.6054, 0.3669,
0.4122

99.9966, 0.3127,
0.3290

■ 90.9378, 0.3819,
0.4347

■ 89.4505, 0.3957,
0.4549

■ 88.1313, 0.4075,
0.4717

■ 86.9665, 0.4169,
0.4845

■ 85.9399, 0.4236,
0.4928

■ 85.0320, 0.4276,
0.4968

■ 84.5989, 0.4289,
0.4977

Harmonies

Analogous

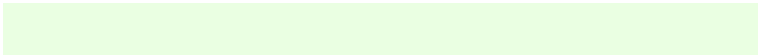
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.5203, 0.3487, 0.3576



96.5203, 0.3354, 0.3642



96.5203, 0.3163, 0.3609

Triad

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



96.5203, 0.3354, 0.3642



96.5203, 0.2748, 0.3123



96.5203, 0.3284, 0.3108

Complementary

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



96.5203, 0.3354, 0.3642



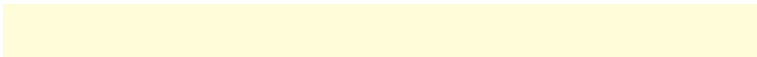
72.6415, 0.2886, 0.2912

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.



96.5203, 0.3082, 0.2995



96.5203, 0.3354, 0.3642



96.5203, 0.2777, 0.2999

Square

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



96.5203, 0.3354, 0.3642



96.5203, 0.2816, 0.3301



96.5203, 0.2897, 0.2955



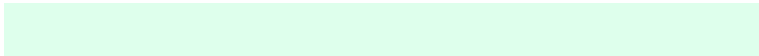
96.5203, 0.3447, 0.3267

Rectangle

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



96.5203, 0.3354, 0.3642



96.5203, 0.3029, 0.3533



96.5203, 0.2897, 0.2955



96.5203, 0.3218, 0.3064

Sweetspot

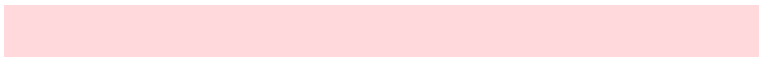
The Sweet Spot groups the original color and five complimentary colors.



96.5246, 0.3354, 0.3642



99.0225, 0.3187, 0.3383



76.0434, 0.3389, 0.3265



21.1564, 0.3198, 0.3400



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

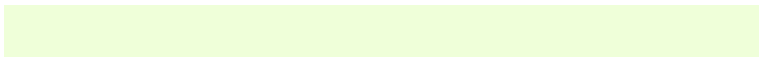
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.5246, 0.3354, 0.3642



95.8755, 0.3403, 0.3717



94.7903, 0.3244, 0.3673



20.9193, 0.3270, 0.3513



44.2822, 0.4287, 0.4978



4.3592, 0.4275, 0.4987

Inverse Universe

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



72.6415, 0.2886, 0.2912



67.6203, 0.2830, 0.2823



74.2656, 0.2996, 0.2903



17.5291, 0.2978, 0.3057



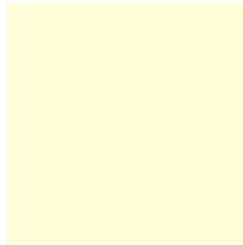
3.9884, 0.1509, 0.0631



0.4393, 0.1529, 0.0704

Previews

White Background



This preview shows how the Yxy color 96.5203, 0.3354, 0.3642 looks on a white background.

Color Contrast Check

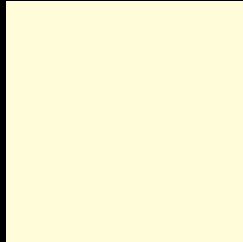
Large Text (above 18pt) WCAG AA × Fail

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 96.5203, 0.3354, 0.3642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

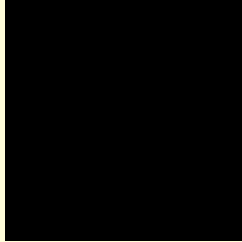
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 96.5203, 0.3354, 0.3642

Background



This preview shows how black text looks on a background with the Yxy color 96.5203, 0.3354, 0.3642.



This preview shows how white text looks on a background with the Yxy color 96.5203, 0.3354, 0.3642.

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

96.5203, 0.3354, 0.3642

Protanopia

96.6052, 0.3212, 0.3387

Deuteranopia

96.4085, 0.3171, 0.3309

Tritanopia

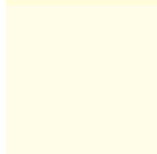
96.6620, 0.3123, 0.3242

Trichromacy



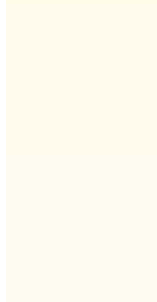
Original Color

96.5203, 0.3354, 0.3642



Protanomaly

96.7070, 0.3265, 0.3484



Deuteranomaly

96.3688, 0.3236, 0.3426

Tritanomaly

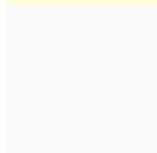
96.4161, 0.3205, 0.3387

Monochromacy



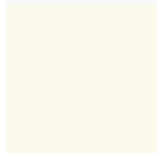
Original Color

96.5203, 0.3354, 0.3642



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 96.5203, 0.3354, 0.3642 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, 217)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 217)  
}
```

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, 217) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 217) }
```

Border

The CSS property to change the border of an element to Yxy 96.5203, 0.3354, 0.3642 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, 217) }
```

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

```
.border{ border-color:rgb(255, 253, 217) }
```

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, 217) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 217); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 217);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
217) }
```


Background

The CSS property to change the background color of an element to Yxy 96.5203, 0.3354, 0.3642 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, 217) }
```

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

```
.background{ background-color: rgb(255,  
253, 217) }
```

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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