

Converting Colors

$Y_{xy}(100.0000, 0.3512, 0.3686)$

Have a look what the booklet for
Yxy(100.0000, 0.3512, 0.3686)
contains.

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Color

Yxy(96.2137, 0.3391, 0.3702)

Conversions

Conversions Part 1

Format	Color
Hex	FFFDD3
RGB	255, 253, 211
RGB Percent	100%, 99%, 83%
CMY	0.0000, 0.0079, 0.1726
CMYK	0.00, 0.01, 0.17, 0.00
HSL	57°, 100%, 91%
HSV	57°, 17%, 100%
XYZ	88.1309, 96.2137, 75.5519
YIQ	248.8100, 14.6740, -12.6380

Conversions

Conversions Part 2

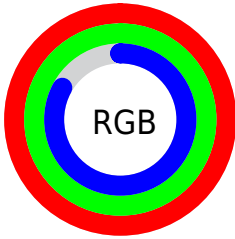
Format	Color
R _Y B	213, 255, 211
Decimal	16776659
CIE Lab	98.52, -6.04, 20.38
CIE LCh	99, 21.258, 106.513
Yxy	96.2137, 0.3391, 0.3702
Android (android.graphics.Color)	4294966739 (0xFFFFFDD3)
YUV	248.8100, -18.6403, 5.4286
Hunter-Lab	98.0886, -11.2758, 22.9944

Details

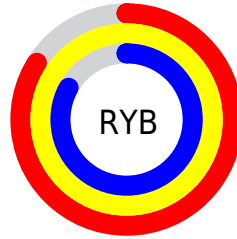
The Yxy color $96.2137, 0.3391, 0.3702$ is a light color, and the websafe version is hex `FFFFCC`. A complement of this color would be $68.6577, 0.2844, 0.2842$, and the grayscale version is $94.7121, 0.3127, 0.3290$.

A 20% lighter version of the original color is $100.0000, 0.3127, 0.3290$, and $53.8859, 0.3448, 0.3790$ is the 20% darker color. If you saturate the color by 10%, you get $94.3025, 0.3548, 0.3945$, and if you desaturate by 10%, it is $98.3292, 0.3236, 0.3461$.

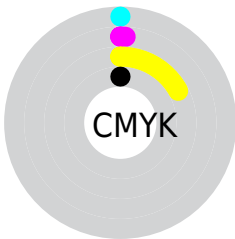
Distribution



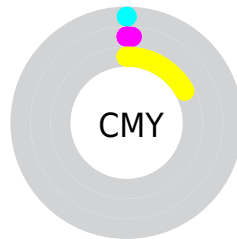
- Red (100%)
- Green (99%)
- Blue (83%)



- Red (84%)
- Yellow (100%)
- Blue (83%)



- Cyan (0%)
- Magenta (1%)
- Yellow (17%)
- Black (0%)





- Cyan (0%)
- Magenta (1%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.2137, 0.3391, 0.3702 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 96.2137, 0.3391, 0.3702 by changing the saturation by 10% instead.

 96.2137, 0.3391,
0.3702

 96.2137, 0.3391,
0.3702

548.0432, 0.3276,
0.3519

 73.1456, 0.3416,
0.3742

155.9403, 0.3353,
0.3640

 54.0950, 0.3445,
0.3791


193.3676, 0.3337,
0.3615

 38.6776, 0.3481,
0.3851


236.3500, 0.3324,
0.3594

 26.5090, 0.3526,
0.3927

285.2719, 0.3312,
0.3575

 17.2048, 0.3584,
0.4027

340.5179, 0.3302,
0.3559

 10.3806, 0.3659,
0.4163

402.4721, 0.3292,

 5.6521, 0.3763,

0.3544

0.4358

471.5191, 0.3284,
0.3531

■ 2.6347, 0.3912,
0.4661

■ 0.9441, 0.4423,
0.5577

■ 96.2137, 0.3391,
0.3702

■ 96.2137, 0.3391,
0.3702

■ 94.3025, 0.3548,
0.3945

■ 98.3292, 0.3236,
0.3461

■ 92.5907, 0.3703,
0.4182

100.0000, 0.3127,
0.3290

■ 91.0663, 0.3850,
0.4404

■ 89.7181, 0.3982,
0.4599

■ 88.5336, 0.4093,
0.4759

■ 87.4985, 0.4179,
0.4877

■ 86.5962, 0.4237,
0.4950

■ 85.8050, 0.4270,
0.4982

■ 85.5985, 0.4276,
0.4986

Harmonies

Analogous

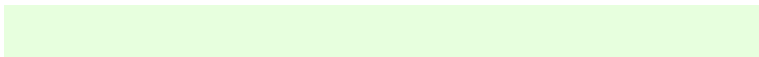
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.2137, 0.3548, 0.3622



96.2137, 0.3391, 0.3702



96.2137, 0.3167, 0.3665

Triad

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



96.2137, 0.3391, 0.3702



96.2137, 0.2686, 0.3093



96.2137, 0.3310, 0.3079

Complementary

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



96.2137, 0.3391, 0.3702



68.6577, 0.2844, 0.2842

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.



96.2137, 0.3073, 0.2948



96.2137, 0.3391, 0.3702



96.2137, 0.2720, 0.2950

Square

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



96.2137, 0.3391, 0.3702



96.2137, 0.2765, 0.3301



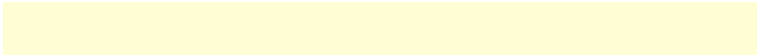
96.2137, 0.2859, 0.2900



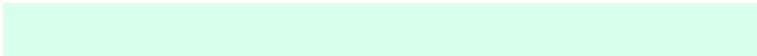
96.2137, 0.3501, 0.3263

Rectangle

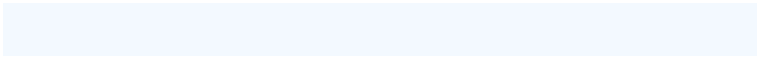
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96.2137, 0.3391, 0.3702



96.2137, 0.3011, 0.3575



96.2137, 0.2859, 0.2900



96.2137, 0.3233, 0.3028

Sweetspot

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



96.2122, 0.3391, 0.3702



98.8362, 0.3202, 0.3407



72.6621, 0.3444, 0.3269



21.1209, 0.3212, 0.3424



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.



96.2122, 0.3391, 0.3702



95.4733, 0.3450, 0.3793



93.9192, 0.3258, 0.3739



20.9406, 0.3270, 0.3514



44.7892, 0.4275, 0.4988



4.4030, 0.4265, 0.4996

Inverse Universe

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



68.6577, 0.2844, 0.2842



62.8319, 0.2775, 0.2731



70.7634, 0.2977, 0.2838



17.5102, 0.2978, 0.3055



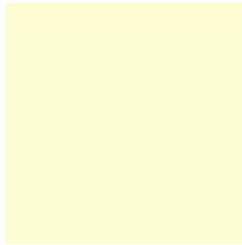
3.9615, 0.1508, 0.0627



0.4303, 0.1525, 0.0691

Previews

White Background



This preview shows how the Yxy color 96.2137, 0.3391, 0.3702 looks on a white background.

Color Contrast Check

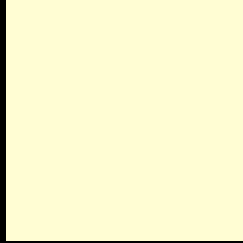
Large Text (above 18pt) WCAG AA × Fail

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 96.2137, 0.3391, 0.3702 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

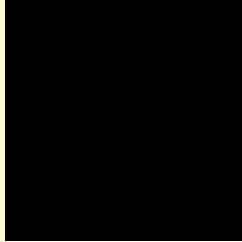
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 96.2137, 0.3391, 0.3702

Background



This preview shows how black text looks on a background with the Yxy color 96.2137, 0.3391, 0.3702.

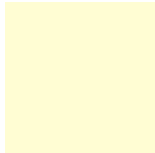


This preview shows how white text looks on a background with the Yxy color 96.2137, 0.3391, 0.3702.

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

96.2137, 0.3391, 0.3702



Protanopia

96.4864, 0.3224, 0.3406

Deuteranopia

96.3466, 0.3177, 0.3319

Tritanopia

96.0422, 0.3124, 0.3233

Trichromacy



Original Color

96.2137, 0.3391, 0.3702



Protanomaly

96.5380, 0.3283, 0.3514



Deuteranomaly

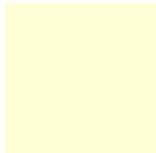
96.1949, 0.3254, 0.3455



Tritanomaly

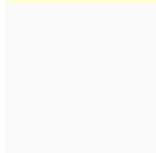
95.6740, 0.3218, 0.3397

Monochromacy



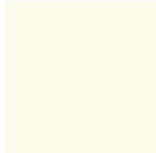
Original Color

96.2137, 0.3391, 0.3702



Achromatopsia

94.7307, 0.3127, 0.3290



Achromatomaly

94.8786, 0.3223, 0.3437

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.2137, 0.3391, 0.3702 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, 211)` looks like.

```
.text, #text, p{  
    color:rgb(255, 253, 211)  
}
```

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, 211) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 253, 211) }
```

Border

The CSS property to change the border of an element to Yxy 96.2137, 0.3391, 0.3702 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, 211) }
```

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

```
.border{ border-color:rgb(255, 253, 211) }
```

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, 211)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 253, 211); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 253, 211);  
box-shadow:4px 4px 4px 4px rgb(255, 253,  
211) }
```


Background

The CSS property to change the background color of an element to Yxy 96.2137, 0.3391, 0.3702 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, 211) }
```

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

```
.background{ background-color: rgb(255,  
253, 211) }
```

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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