

Converting Colors

$Y_{xy}(106.6030, 0.3221, 0.3689)$

Have a look what the booklet for
Yxy(106.6030, 0.3221, 0.3689)
contains.

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Color

Yxy(96.8956, 0.3234, 0.3556)

Conversions

Conversions Part 1

Format	Color
Hex	F7FFE4
RGB	247, 255, 228
RGB Percent	97%, 100%, 89%
CMY	0.0314, 0.0000, 0.1058
CMYK	0.03, 0.00, 0.11, 0.00
HSL	78°, 100%, 95%
HSV	78°, 11%, 100%
XYZ	88.1216, 96.8956, 87.4676
YIQ	249.5300, 3.8990, -10.0930

Conversions

Conversions Part 2

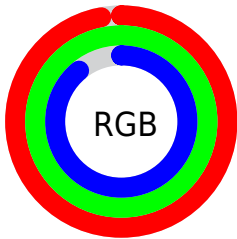
Format	Color
R _Y B	228, 255, 236
Decimal	16252900
CIE Lab	98.79, -7.22, 11.99
CIE LCh	99, 13.996, 121.068
Yxy	96.8956, 0.3234, 0.3556
Android (android.graphics.Color)	4294442980 (0xFFFF7FFE4)
YUV	249.5300, -10.6143, -2.2188
Hunter-Lab	98.4356, -12.4653, 16.2211

Details

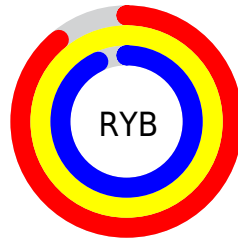
The Yxy color 96.8956, 0.3234, 0.3556 is a light color, and the websafe version is hex FFFFCC. A complement of this color would be 80.5523, 0.3013, 0.3018, and the grayscale version is 95.2766, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.4817, 0.3256, 0.3604 is the 20% darker color. If you saturate the color by 10%, you get 94.2347, 0.3336, 0.3823, and if you desaturate by 10%, it is 99.8215, 0.3133, 0.3304.

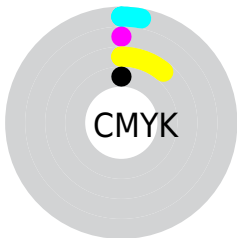
Distribution



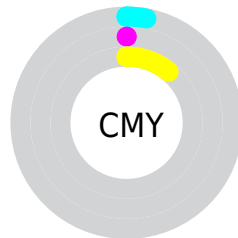
- Red (97%)
- Green (100%)
- Blue (89%)



- Red (89%)
- Yellow (100%)
- Blue (93%)



- Cyan (3%)
- Magenta (0%)
- Yellow (11%)
- Black (0%)




- Cyan (3%)
- Magenta (0%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.8956, 0.3234, 0.3556 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 96.8956, 0.3234, 0.3556 by changing the saturation by 10% instead.

 96.8956, 0.3234,
0.3556

 96.8956, 0.3234,
0.3556

550.2159, 0.3188,
0.3438

 73.7137, 0.3244,
0.3582


156.8809, 0.3219,
0.3516

 54.5597, 0.3256,
0.3614


194.4530, 0.3212,
0.3500

 39.0493, 0.3270,
0.3653


237.5907, 0.3207,
0.3486

 26.7981, 0.3288,
0.3703

286.6783, 0.3202,
0.3474

 17.4217, 0.3312,
0.3769

342.1002, 0.3198,
0.3463

 10.5356, 0.3343,
0.3860

404.2409, 0.3194,

 5.7555, 0.3385,

0.3454

0.3993

473.4846, 0.3191,
0.3445

■ 2.6970, 0.3448,
0.4206

■ 0.9757, 0.3847,
0.5016

■ 96.8956, 0.3234,
0.3556

■ 96.8956, 0.3234,
0.3556

■ 94.2347, 0.3336,
0.3823

99.8215, 0.3133,
0.3304

■ 91.8287, 0.3434,
0.4099

100.0000, 0.3127,
0.3290

■ 89.6670, 0.3525,
0.4376

■ 87.7386, 0.3603,
0.4645

■ 86.0310, 0.3664,
0.4892

■ 84.5306, 0.3702,
0.5106

■ 83.2217, 0.3714,
0.5276

■ 82.0857, 0.3701,
0.5396

■ 81.1465, 0.3669,
0.5469

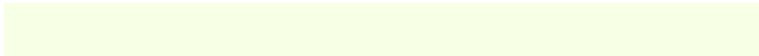
Harmonies

Analogous

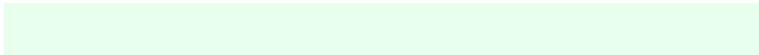
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.8956, 0.3362, 0.3543



96.8956, 0.3234, 0.3556



96.8956, 0.3080, 0.3493

Triad

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



96.8956, 0.3234, 0.3556



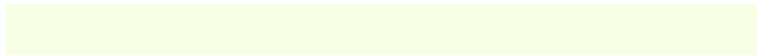
96.8956, 0.2836, 0.3110



96.8956, 0.3314, 0.3207

Complementary

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



96.8956, 0.3234, 0.3556



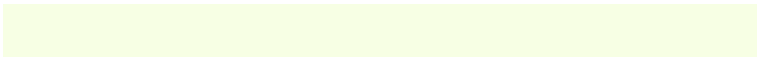
80.5523, 0.3013, 0.3018

Split Complementary

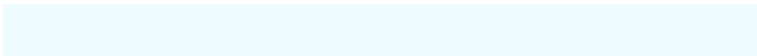
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.8956, 0.3169, 0.3099



96.8956, 0.3234, 0.3556



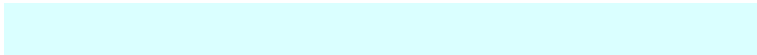
96.8956, 0.2895, 0.3041

Square

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



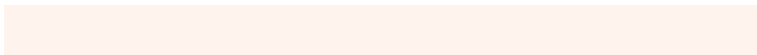
96.8956, 0.3234, 0.3556



96.8956, 0.2853, 0.3231



96.8956, 0.3016, 0.3038



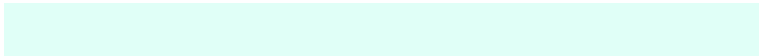
96.8956, 0.3410, 0.3339

Rectangle

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



96.8956, 0.3234, 0.3556



96.8956, 0.2983, 0.3417



96.8956, 0.3016, 0.3038



96.8956, 0.3270, 0.3167

Sweetspot

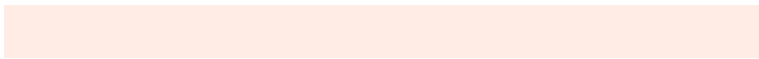
The Sweet Spot groups the original color and five complimentary colors.



96.8958, 0.3234, 0.3556



99.0892, 0.3157, 0.3363



86.6587, 0.3307, 0.3366



21.1579, 0.3165, 0.3383



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

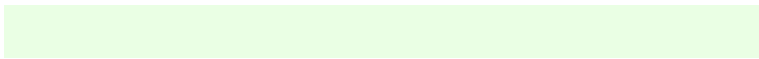
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.8958, 0.3234, 0.3556



96.2284, 0.3259, 0.3619



94.5916, 0.3151, 0.3563



20.8044, 0.3223, 0.3528



42.4818, 0.3677, 0.5462



4.1929, 0.3738, 0.5414

Inverse Universe

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



80.5523, 0.3013, 0.3018



76.4858, 0.2984, 0.2952



82.8839, 0.3100, 0.3026



17.6388, 0.3025, 0.3047



4.6346, 0.1696, 0.0708



0.5049, 0.1813, 0.0772

Previews

White Background



This preview shows how the Yxy color 96.8956, 0.3234, 0.3556 looks on a white background.

Color Contrast Check

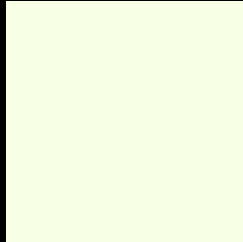
Large Text (above 18pt) WCAG AA × Fail

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 96.8956, 0.3234, 0.3556 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

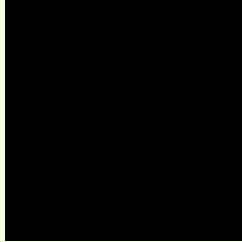
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

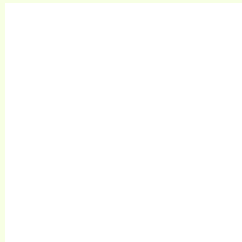
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 96.8956, 0.3234, 0.3556

Background



This preview shows how black text looks on a background with the Yxy color 96.8956, 0.3234, 0.3556.

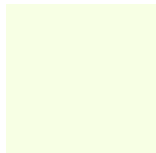


This preview shows how white text looks on a background with the Yxy color 96.8956, 0.3234, 0.3556.

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

96.8956, 0.3234, 0.3556



Protanopia

96.7254, 0.3200, 0.3367

Deuteranopia

96.4708, 0.3165, 0.3300

Tritanopia

96.9098, 0.3110, 0.3252

Trichromacy

A vertical color bar on the left side of the Trichromacy section, showing a gradient from light yellow at the top to light green at the bottom.

Original Color

96.8956, 0.3234, 0.3556

Protanomaly

96.4893, 0.3209, 0.3426

Deuteranomaly

96.6671, 0.3192, 0.3397

Tritanomaly

96.5374, 0.3155, 0.3358

Monochromacy

A vertical color bar on the left side of the Monochromacy section, showing a gradient from light yellow at the top to light green at the bottom.

Original Color

96.8956, 0.3234, 0.3556

Achromatopsia

95.5973, 0.3127, 0.3290

Achromatomaly

96.1713, 0.3167, 0.3387

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.8956, 0.3234, 0.3556 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(247, 255, 228)` looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 228)  
}
```

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(247, 255, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 228) }
```

Border

The CSS property to change the border of an element to Yxy 96.8956, 0.3234, 0.3556 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(247, 255, 228) }
```

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

```
.border{ border-color:rgb(247, 255, 228) }
```

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

Here you see how a box with a 4 pixel rgb(247, 255, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 228);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 96.8956, 0.3234, 0.3556 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(247, 255, 228) }
```

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

```
.background{ background-color: rgb(247,  
255, 228) }
```

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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