

Converting Colors

$Yxy(96.0476, 0.3332, 0.3721)$

Have a look what the booklet for
Yxy(96.0476, 0.3332, 0.3721)
contains.

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Color

Yxy(96.0476, 0.3329, 0.3718)

Conversions

Conversions Part 1

Format	Color
Hex	F7FFD4
RGB	247, 255, 212
RGB Percent	97%, 100%, 83%
CMY	0.0314, 0.0000, 0.1687
CMYK	0.03, 0.00, 0.17, 0.00
HSL	71°, 100%, 92%
HSV	71°, 17%, 100%
XYZ	85.9985, 96.0476, 76.2853
YIQ	247.7060, 9.0350, -15.0690

Conversions

Conversions Part 2

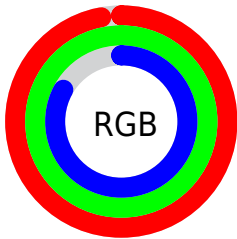
Format	Color
R _Y B	212, 255, 220
Decimal	16252884
CIE Lab	98.45, -9.72, 19.70
CIE LCh	98, 21.966, 116.272
Yxy	96.0476, 0.3329, 0.3718
Android (android.graphics.Color)	4294442964 (0xFFFF7FFD4)
YUV	247.7060, -17.6031, -0.6192
Hunter-Lab	98.0039, -14.8728, 22.4520

Details

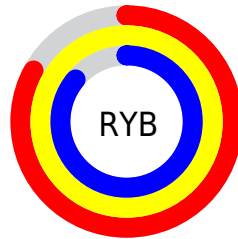
The Yxy color **96.0476, 0.3329, 0.3718** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **69.5163, 0.2903, 0.2839**, and the grayscale version is **93.7545, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.7696, 0.3368, 0.3812** is the 20% darker color. If you saturate the color by 10%, you get **94.0073, 0.3449, 0.3984**, and if you desaturate by 10%, it is **98.3102, 0.3209, 0.3460**.

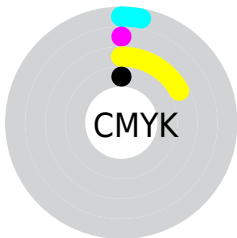
Distribution



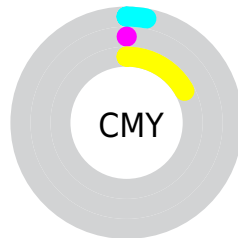
- Red (97%)
- Green (100%)
- Blue (83%)



- Red (83%)
- Yellow (100%)
- Blue (86%)



- Cyan (3%)
- Magenta (0%)
- Yellow (17%)
- Black (0%)





- Cyan (3%)
- Magenta (0%)
- Yellow (17%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 96.0476, 0.3329, 0.3718 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 96.0476, 0.3329, 0.3718 by changing the saturation by 10% instead.


 96.0476, 0.3329,
0.3718

 96.0476, 0.3329,
0.3718

547.5133, 0.3242,
0.3526

 73.0072, 0.3347,
0.3760


155.7111, 0.3300,
0.3653

 53.9819, 0.3369,
0.3812


193.1030, 0.3288,
0.3627

 38.5872, 0.3396,
0.3875


236.0475, 0.3278,
0.3605

 26.4387, 0.3429,
0.3957

284.9291, 0.3269,
0.3585

 17.1521, 0.3471,
0.4064

340.1320, 0.3261,
0.3568

 10.3430, 0.3526,
0.4212

402.0408, 0.3254,

 5.6270, 0.3598,

0.3553

0.4426

471.0398, 0.3248,
0.3539

■ 2.6196, 0.3696,
0.4764

■ 0.9365, 0.4104,
0.5896

■ 96.0476, 0.3329,
0.3718

■ 96.0476, 0.3329,
0.3718

■ 94.0073, 0.3449,
0.3984

■ 98.3102, 0.3209,
0.3460

■ 92.1840, 0.3563,
0.4250

100.0000, 0.3127,
0.3290

■ 90.5657, 0.3667,
0.4507

■ 89.1412, 0.3755,
0.4743

■ 87.8978, 0.3821,
0.4947

■ 86.8211, 0.3863,
0.5111

■ 85.8944, 0.3878,
0.5228

■ 85.0966, 0.3867,
0.5299

■ 84.8631, 0.3861,
0.5316

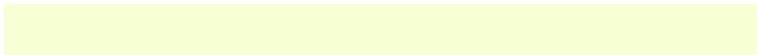
Harmonies

Analogous

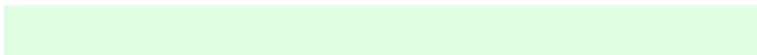
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.0476, 0.3520, 0.3672



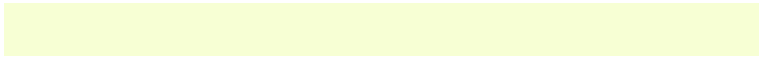
96.0476, 0.3329, 0.3718



96.0476, 0.3089, 0.3639

Triad

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



96.0476, 0.3329, 0.3718



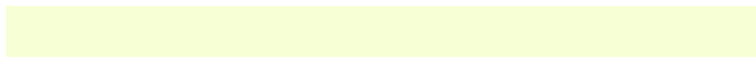
96.0476, 0.2670, 0.3029



96.0476, 0.3389, 0.3129

Complementary

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



96.0476, 0.3329, 0.3718



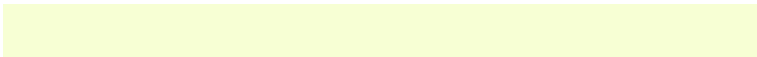
69.5163, 0.2903, 0.2839

Split Complementary

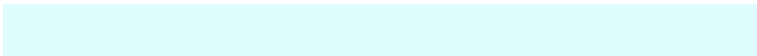
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.0476, 0.3152, 0.2973



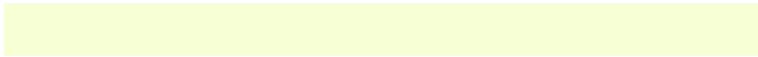
96.0476, 0.3329, 0.3718



96.0476, 0.2742, 0.2911

Square

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



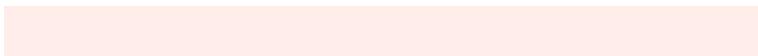
96.0476, 0.3329, 0.3718



96.0476, 0.2714, 0.3227



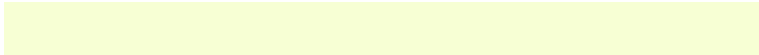
96.0476, 0.2916, 0.2893



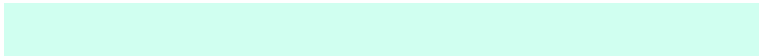
96.0476, 0.3558, 0.3328

Rectangle

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



96.0476, 0.3329, 0.3718



96.0476, 0.2934, 0.3525



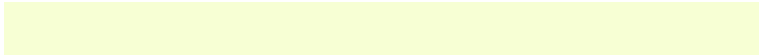
96.0476, 0.2916, 0.2893



96.0476, 0.3314, 0.3071

Sweetspot

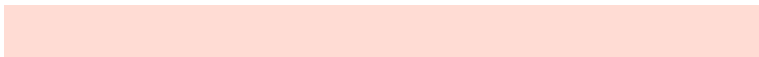
The Sweet Spot groups the original color and five complimentary colors.



96.0461, 0.3329, 0.3718



98.7585, 0.3186, 0.3413



77.1335, 0.3438, 0.3371



21.1021, 0.3195, 0.3431



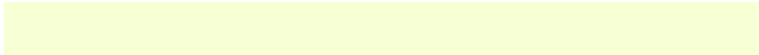
0.0000, 0.0000, 0.0000



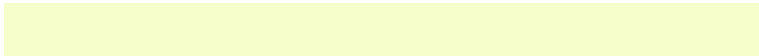
21.4041, 0.3127, 0.3290

Same Dimension

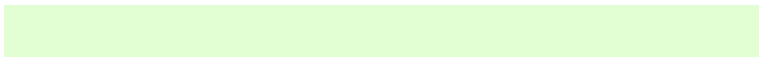
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.0461, 0.3329, 0.3718



95.3836, 0.3367, 0.3801



92.3786, 0.3191, 0.3737



20.9098, 0.3240, 0.3527



44.4042, 0.3867, 0.5312



4.3657, 0.3906, 0.5280

Inverse Universe

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



69.5163, 0.2903, 0.2839



64.6256, 0.2856, 0.2745



73.0693, 0.3051, 0.2858



17.5403, 0.3008, 0.3046



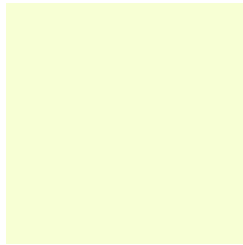
4.1404, 0.1586, 0.0647



0.4445, 0.1681, 0.0699

Previews

White Background



This preview shows how the Yxy color 96.0476, 0.3329, 0.3718 looks on a white background.

Color Contrast Check

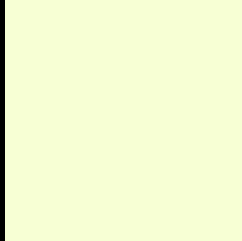
Large Text (above 18pt) WCAG AA × Fail

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 96.0476, 0.3329, 0.3718 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

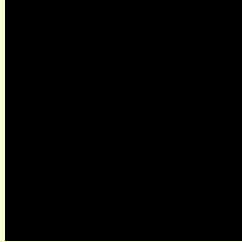
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

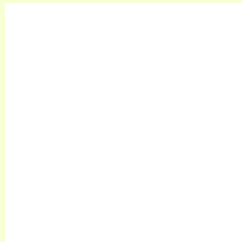
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 96.0476, 0.3329, 0.3718

Background



This preview shows how black text looks on a background with the Yxy color 96.0476, 0.3329, 0.3718.

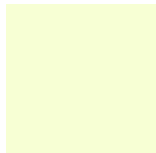


This preview shows how white text looks on a background with the Yxy color 96.0476, 0.3329, 0.3718.

Color Blindness Simulation

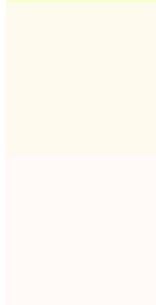
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

96.0476, 0.3329, 0.3718



Protanopia

95.8043, 0.3230, 0.3406

Deuteranopia

95.7268, 0.3177, 0.3309

Tritanopia

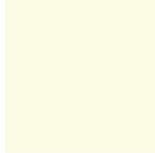
96.2867, 0.3111, 0.3242

Trichromacy



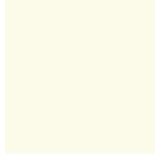
Original Color

96.0476, 0.3329, 0.3718



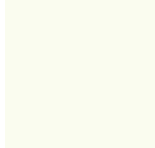
Protanomaly

95.9734, 0.3263, 0.3515



Deuteranomaly

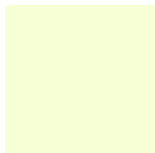
95.6303, 0.3234, 0.3456



Tritanomaly

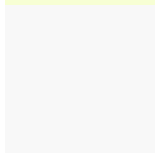
96.1768, 0.3191, 0.3417

Monochromacy



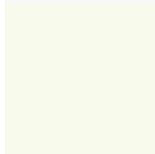
Original Color

96.0476, 0.3329, 0.3718



Achromatopsia

93.8686, 0.3127, 0.3290



Achromatomaly

94.9490, 0.3202, 0.3447

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.0476, 0.3329, 0.3718 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, 212)` looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 212)  
}
```

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, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 212) }
```

Border

The CSS property to change the border of an element to Yxy 96.0476, 0.3329, 0.3718 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, 212) }
```

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

```
.border{ border-color:rgb(247, 255, 212) }
```

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, 212) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 212);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 96.0476, 0.3329, 0.3718 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, 212) }
```

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

```
.background{ background-color: rgb(247,  
255, 212) }
```

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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