

Converting Colors

$Y_{xy}(102.2429, 0.3576, 0.3695)$

Have a look what the booklet for
Yxy(102.2429, 0.3576, 0.3695)
contains.

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Color

Yxy(96.7968, 0.3395, 0.3721)

Conversions

Conversions Part 1

Format	Color
Hex	FFFD2
RGB	255, 254, 210
RGB Percent	100%, 100%, 82%
CMY	0.0000, 0.0039, 0.1763
CMYK	0.00, 0.00, 0.18, 0.00
HSL	59°, 100%, 91%
HSV	59°, 18%, 100%
XYZ	88.3163, 96.7968, 75.0234
YIQ	249.2830, 14.7200, -13.4720

Conversions

Conversions Part 2

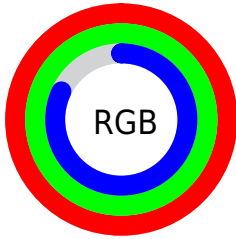
Format	Color
R _Y B	211, 255, 210
Decimal	16776914
CIE Lab	98.75, -6.70, 21.19
CIE LCh	99, 22.226, 107.533
Yxy	96.7968, 0.3395, 0.3721
Android (android.graphics.Color)	4294966994 (0xFFFFFED2)
YUV	249.2830, -19.3665, 5.0138
Hunter-Lab	98.3854, -11.9425, 23.6584

Details

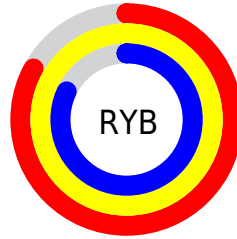
The Yxy color **96.7968, 0.3395, 0.3721** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **67.5272, 0.2836, 0.2819**, and the grayscale version is **95.1336, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **54.3048, 0.3454, 0.3814** is the 20% darker color. If you saturate the color by 10%, you get **95.2738, 0.3550, 0.3969**, and if you desaturate by 10%, it is **98.5319, 0.3241, 0.3474**.

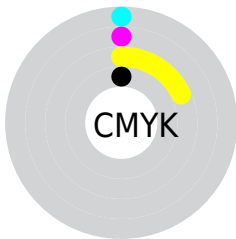
Distribution



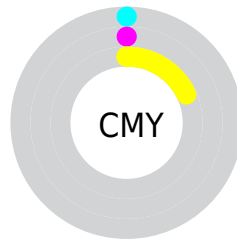
- Red (100%)
- Green (100%)
- Blue (82%)



- Red (83%)
- Yellow (100%)
- Blue (82%)



- Cyan (0%)
- Magenta (0%)
- Yellow (18%)
- Black (0%)




- Cyan (0%)
- Magenta (0%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.7968, 0.3395, 0.3721 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 96.7968, 0.3395, 0.3721 by changing the saturation by 10% instead.


 96.7968, 0.3395,
0.3721

 96.7968, 0.3395,
0.3721

549.9014, 0.3279,
0.3529

 73.6314, 0.3420,
0.3763


156.7446, 0.3356,
0.3656

 54.4924, 0.3449,
0.3814

194.2958, 0.3341,
0.3630

 38.9954, 0.3486,
0.3877


237.4110, 0.3327,
0.3608

 26.7562, 0.3531,
0.3956

286.4747, 0.3315,
0.3588

 17.3902, 0.3588,
0.4061

341.8711, 0.3305,
0.3571

 10.5131, 0.3664,
0.4202

403.9848, 0.3295,

 5.7404, 0.3765,

0.3556

0.4405

473.2001, 0.3287,
0.3542

■ 2.6879, 0.3912,
0.4721

■ 0.9711, 0.4381,
0.5619

■ 96.7968, 0.3395,
0.3721

■ 96.7968, 0.3395,
0.3721

■ 95.2738, 0.3550,
0.3969


■ 98.5319, 0.3241,
0.3474


■ 93.9406, 0.3701,
0.4210


99.9990, 0.3127,
0.3290

■ 92.7910, 0.3843,
0.4434


■ 91.8137, 0.3968,
0.4631

 90.9963, 0.4072,
0.4791

 90.3243, 0.4151,
0.4910

 89.7810, 0.4202,
0.4983

 89.3442, 0.4228,
0.5016

 89.2486, 0.4233,
0.5021

Harmonies

Analogous

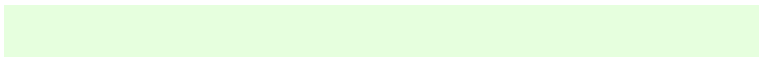
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.7968, 0.3562, 0.3641



96.7968, 0.3395, 0.3721



96.7968, 0.3160, 0.3679

Triad

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



96.7968, 0.3395, 0.3721



96.7968, 0.2667, 0.3078



96.7968, 0.3325, 0.3076

Complementary

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



96.7968, 0.3395, 0.3721



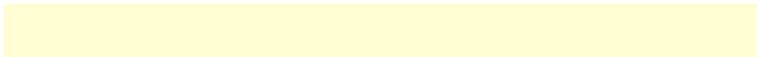
67.5272, 0.2836, 0.2819

Split Complementary

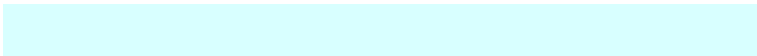
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.7968, 0.3079, 0.2938



96.7968, 0.3395, 0.3721



96.7968, 0.2706, 0.2932

Square

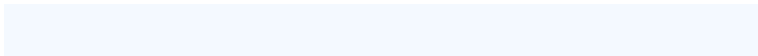
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



96.7968, 0.3395, 0.3721



96.7968, 0.2745, 0.3293



96.7968, 0.2854, 0.2884



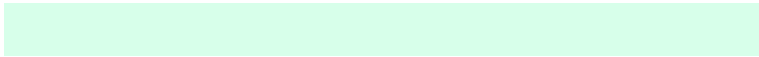
96.7968, 0.3523, 0.3268

Rectangle

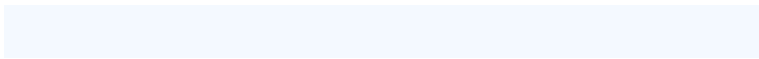
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



96.7968, 0.3395, 0.3721



96.7968, 0.2998, 0.3582



96.7968, 0.2854, 0.2884



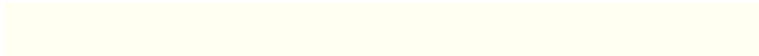
96.7968, 0.3245, 0.3022

Sweetspot

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



96.8011, 0.3395, 0.3721



99.0270, 0.3201, 0.3410



72.0996, 0.3458, 0.3276



21.1675, 0.3212, 0.3427



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

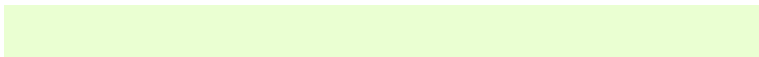
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.8011, 0.3395, 0.3721



96.2689, 0.3447, 0.3805



93.6663, 0.3256, 0.3750



21.0181, 0.3270, 0.3520



46.6675, 0.4232, 0.5022



4.5648, 0.4227, 0.5026

Inverse Universe

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



67.5272, 0.2836, 0.2819



62.2364, 0.2774, 0.2717



70.3220, 0.2979, 0.2828



17.4417, 0.2978, 0.3049



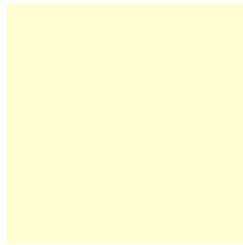
3.8639, 0.1504, 0.0613



0.3978, 0.1512, 0.0644

Previews

White Background



This preview shows how the Yxy color 96.7968, 0.3395, 0.3721 looks on a white background.

Color Contrast Check

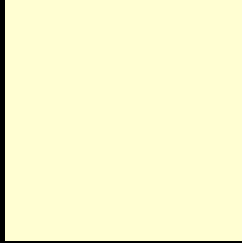
Large Text (above 18pt) WCAG AA × Fail

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 96.7968, 0.3395, 0.3721 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

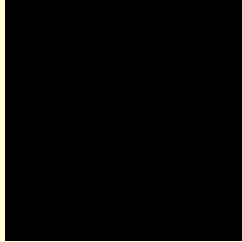
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 96.7968, 0.3395, 0.3721

Background



This preview shows how black text looks on a background with the Yxy color 96.7968, 0.3395, 0.3721.



This preview shows how white text looks on a background with the Yxy color 96.7968, 0.3395, 0.3721.

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

96.7968, 0.3395, 0.3721



Protanopia

96.6052, 0.3212, 0.3387

Deuteranopia

97.0317, 0.3170, 0.3319

Tritanopia

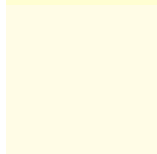
96.6620, 0.3123, 0.3242

Trichromacy



Original Color

96.7968, 0.3395, 0.3721



Protanomaly

96.5940, 0.3277, 0.3504



Deuteranomaly

96.8213, 0.3253, 0.3465



Tritanomaly

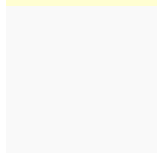
96.2972, 0.3217, 0.3406

Monochromacy



Original Color

96.7968, 0.3395, 0.3721



Achromatopsia

94.7307, 0.3127, 0.3290



Achromatomaly

95.5017, 0.3222, 0.3446

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.7968, 0.3395, 0.3721 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, 254, 210)` looks like.

```
.text, #text, p{  
    color:rgb(255, 254, 210)  
}
```

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, 254, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 254, 210) }
```

Border

The CSS property to change the border of an element to Yxy 96.7968, 0.3395, 0.3721 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, 254, 210) }
```

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

```
.border{ border-color:rgb(255, 254, 210) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 254, 210)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 254, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 254, 210);  
box-shadow:4px 4px 4px 4px rgb(255, 254,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 96.7968, 0.3395, 0.3721 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 254, 210) }
```

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

```
.background{ background-color: rgb(255,  
254, 210) }
```

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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