

Converting Colors

$Y_{xy}(120.2512, 0.4000, 0.3398)$

Have a look what the booklet for
Yxy(120.2512, 0.4000, 0.3398)
contains.

Yxy(92.9977, 0.3271, 0.3427)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(92.9977, 0.3271, 0.3427)

Conversions

Conversions Part 1

Format	Color
Hex	FFF6E8
RGB	255, 246, 232
RGB Percent	100%, 96%, 91%
CMY	0.0000, 0.0353, 0.0902
CMYK	0.00, 0.04, 0.09, 0.00
HSL	37°, 100%, 95%
HSV	37°, 9%, 100%
XYZ	88.7644, 92.9977, 89.6056
YIQ	247.0950, 9.8580, -2.4460

Conversions

Conversions Part 2

Format	Color
R_{YB}	247, 255, 232
Decimal	16774888
CIE Lab	97.23, 0.69, 7.80
CIE LCh	97, 7.826, 84.977
Yxy	92.9977, 0.3271, 0.3427
Android (android.graphics.Color)	4294964968 (0xFFFFF6E8)
YUV	247.0950, -7.4418, 6.9327
Hunter-Lab	96.4353, -4.4606, 12.4137

Details

The Yxy color 92.9977, 0.3271, 0.3427 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 87.2761, 0.2987, 0.3149, and the grayscale version is 93.1479, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 51.9673, 0.3303, 0.3464 is the 20% darker color. If you saturate the color by 10%, you get 85.7489, 0.3448, 0.3586, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

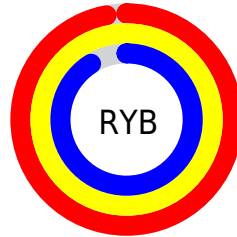
Distribution



Red (100%)

Green (96%)

Blue (91%)



Red (97%)

Yellow (100%)

Blue (91%)



Cyan (0%)

Magenta (4%)

Yellow (9%)

Black (0%)



Cyan (0%)

Magenta (4%)

Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 92.9977, 0.3271, 0.3427 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 92.9977, 0.3271, 0.3427 by changing the saturation by 10% instead.


 92.9977, 0.3271,
0.3427

 92.9977, 0.3271,
0.3427


537.7348, 0.3207,
0.3366

 70.4696, 0.3285,
0.3440


151.4954, 0.3249,
0.3407

 51.9095, 0.3302,
0.3456


188.2338, 0.3241,
0.3398

 36.9329, 0.3323,
0.3476


230.4778, 0.3233,
0.3391

 25.1556, 0.3350,
0.3501

278.6117, 0.3227,
0.3385

 16.1930, 0.3385,
0.3535

333.0200, 0.3221,
0.3380

 9.6608, 0.3433,
0.3580

394.0870, 0.3216,

 5.1747, 0.3504,

0.3375

0.3646

462.1971, 0.3211,
0.3370

■ 2.3501, 0.3616,
0.3751

■ 0.8000, 0.4083,
0.4204

■ 92.9977, 0.3271,
0.3427

■ 92.9977, 0.3271,
0.3427

■ 85.7489, 0.3448,
0.3586

100.0000, 0.3127,
0.3290

■ 79.0213, 0.3644,
0.3750

■ 72.8007, 0.3857,
0.3913

■ 67.0713, 0.4084,
0.4066

■ 61.8161, 0.4317,
0.4201

■ 57.0169, 0.4547,
0.4304

■ 52.6533, 0.4762,
0.4363

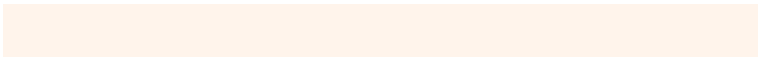
■ 48.7020, 0.4948,
0.4371

■ 45.1314, 0.5100,
0.4327

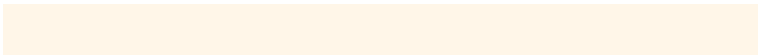
Harmonies

Analogous

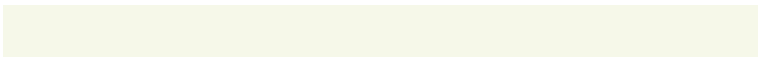
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



92.9977, 0.3298, 0.3376



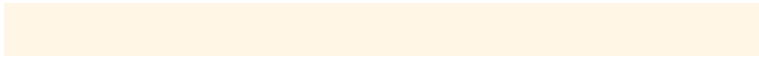
92.9977, 0.3271, 0.3427



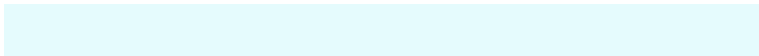
92.9977, 0.3205, 0.3442

Triad

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



92.9977, 0.3271, 0.3427



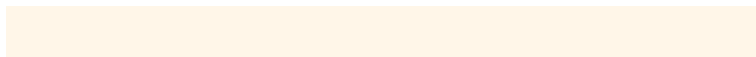
92.9977, 0.2978, 0.3274



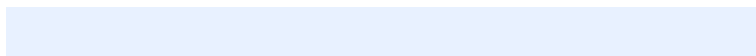
92.9977, 0.3134, 0.3170

Complementary

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



92.9977, 0.3271, 0.3427



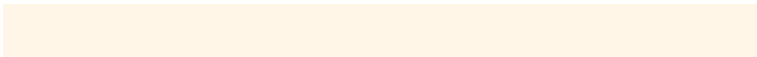
87.2761, 0.2987, 0.3149

Split Complementary

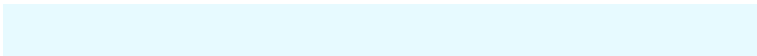
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



92.9977, 0.3048, 0.3143



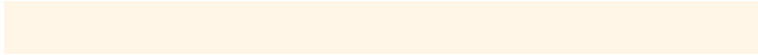
92.9977, 0.3271, 0.3427



92.9977, 0.2959, 0.3201

Square

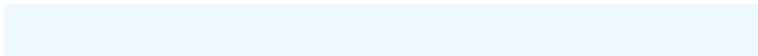
The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



92.9977, 0.3271, 0.3427



92.9977, 0.3036, 0.3352



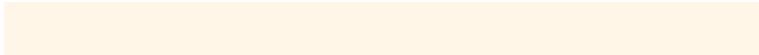
92.9977, 0.2985, 0.3154



92.9977, 0.3218, 0.3229

Rectangle

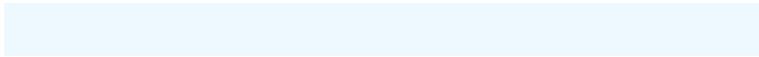
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



92.9977, 0.3271, 0.3427



92.9977, 0.3148, 0.3428



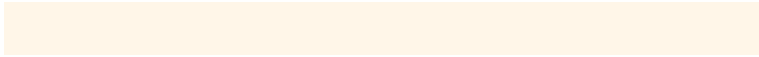
92.9977, 0.2985, 0.3154



92.9977, 0.3104, 0.3157

Sweetspot

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



92.9983, 0.3271, 0.3427



97.6233, 0.3173, 0.3335



85.3289, 0.3225, 0.3200



20.7612, 0.3186, 0.3347



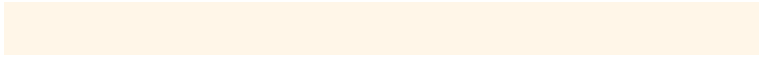
0.0000, 0.0000, 0.0000



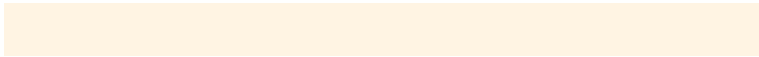
21.4041, 0.3127, 0.3290

Same Dimension

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



92.9983, 0.3271, 0.3427



91.5240, 0.3304, 0.3458



98.1717, 0.3247, 0.3514



19.8284, 0.3279, 0.3435



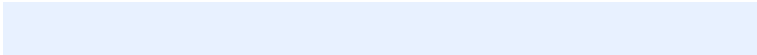
23.7080, 0.5094, 0.4337



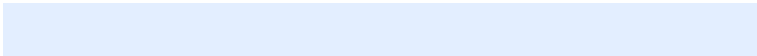
2.5211, 0.4964, 0.4441

Inverse Universe

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



87.2761, 0.2987, 0.3149



84.6440, 0.2955, 0.3116



82.4679, 0.3001, 0.3058



18.5427, 0.2979, 0.3141



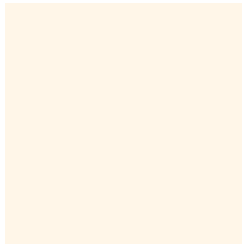
8.7751, 0.1676, 0.1232



1.0595, 0.1738, 0.1456

Previews

White Background



This preview shows how the Yxy color 92.9977, 0.3271, 0.3427 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 92.9977, 0.3271, 0.3427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

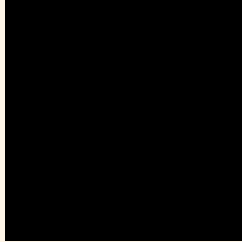
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 92.9977, 0.3271, 0.3427

Background



This preview shows how black text looks on a background with the Yxy color 92.9977, 0.3271, 0.3427.

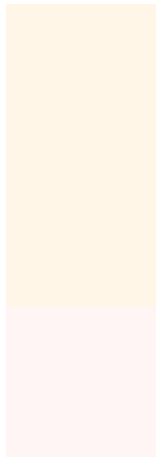


This preview shows how white text looks on a background with the Yxy color 92.9977, 0.3271, 0.3427.

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

92.9977, 0.3271, 0.3427

Protanopia

92.9977, 0.3271, 0.3427

Deuteranopia

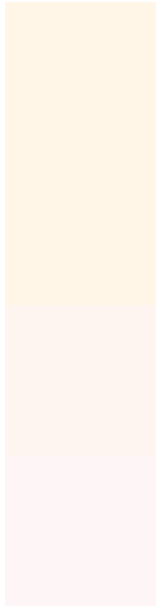
93.0965, 0.3198, 0.3300



Tritanopia

92.9922, 0.3126, 0.3185

Trichromacy



Original Color

92.9977, 0.3271, 0.3427

Protanomaly

92.9977, 0.3271, 0.3427

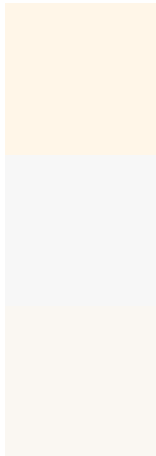
Deuteranomaly

92.8561, 0.3222, 0.3339

Tritanomaly

93.0910, 0.3173, 0.3271

Monochromacy



Original Color

92.9977, 0.3271, 0.3427

Achromatopsia

93.0111, 0.3127, 0.3290

Achromatomaly

93.2563, 0.3176, 0.3339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 92.9977, 0.3271, 0.3427 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, 246, 232)` looks like.

```
.text, #text, p{  
    color:rgb(255, 246, 232)  
}
```

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, 246, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(255, 246, 232) }
```

Border

The CSS property to change the border of an element to Yxy 92.9977, 0.3271, 0.3427 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, 246, 232) }
```

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

```
.border{ border-color:rgb(255, 246, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(255, 246, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(255, 246, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(255, 246, 232);  
box-shadow:4px 4px 4px 4px rgb(255, 246,  
232) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 92.9977, 0.3271, 0.3427$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(255, 246, 232) }
```

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

```
.background{ background-color: rgb(255,  
246, 232) }
```

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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