

Converting Colors

$Y_{xy}(100.0000, 0.3301, 0.3731)$

Have a look what the booklet for
Yxy(100.0000, 0.3301, 0.3731)
contains.

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Color

Yxy(96.2520, 0.3305, 0.3677)

Conversions

Conversions Part 1

Format	Color
Hex	F7FFD8
RGB	247, 255, 216
RGB Percent	97%, 100%, 85%
CMY	0.0314, 0.0000, 0.1528
CMYK	0.03, 0.00, 0.15, 0.00
HSL	72°, 100%, 92%
HSV	72°, 15%, 100%
XYZ	86.5142, 96.2520, 79.0015
YIQ	248.1620, 7.7510, -13.8250

Conversions

Conversions Part 2

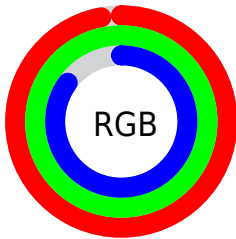
Format	Color
R _Y B	216, 255, 224
Decimal	16252888
CIE Lab	98.53, -9.11, 17.75
CIE LCh	99, 19.953, 117.159
Yxy	96.2520, 0.3305, 0.3677
Android (android.graphics.Color)	4294442968 (0xFFFF7FFD8)
YUV	248.1620, -15.8559, -1.0191
Hunter-Lab	98.1081, -14.2833, 20.9324

Details

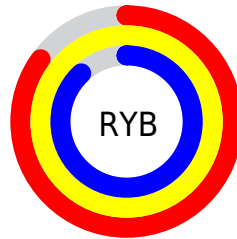
The Yxy color **96.2520, 0.3305, 0.3677** is a light color, and the websafe version is hex **FFFFCC**. A complement of this color would be **72.1976, 0.2932, 0.2885**, and the grayscale version is **94.1374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **53.9085, 0.3338, 0.3760** is the 20% darker color. If you saturate the color by 10%, you get **94.0960, 0.3422, 0.3943**, and if you desaturate by 10%, it is **98.6415, 0.3188, 0.3420**.

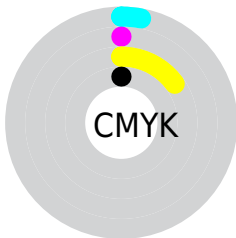
Distribution



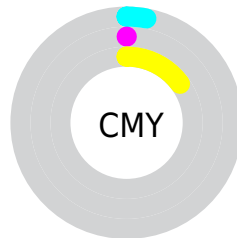
- Red (97%)
- Green (100%)
- Blue (85%)



- Red (85%)
- Yellow (100%)
- Blue (88%)



- Cyan (3%)
- Magenta (0%)
- Yellow (15%)
- Black (0%)





- Cyan (3%)
- Magenta (0%)
- Yellow (15%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 96.2520, 0.3305, 0.3677 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 96.2520, 0.3305, 0.3677 by changing the saturation by 10% instead.


 96.2520, 0.3305,
0.3677

 96.2520, 0.3305,
0.3677


548.1654, 0.3228,
0.3504

 73.1775, 0.3321,
0.3715


155.9932, 0.3279,
0.3618

 54.1211, 0.3341,
0.3761


193.4286, 0.3269,
0.3595

 38.6985, 0.3364,
0.3819


236.4197, 0.3260,
0.3575

 26.5252, 0.3394,
0.3893

285.3510, 0.3252,
0.3557

 17.2170, 0.3432,
0.3990

340.6068, 0.3245,
0.3542

 10.3893, 0.3481,
0.4123

402.5716, 0.3239,

 5.6578, 0.3547,

0.3528

0.4317

471.6296, 0.3233,
0.3515

■ 2.6382, 0.3636,
0.4624

■ 0.9459, 0.4166,
0.5834

■ 96.2520, 0.3305,
0.3677

■ 96.2520, 0.3305,
0.3677

■ 94.0960, 0.3422,
0.3943


■ 98.6415, 0.3188,
0.3420


■ 92.1607, 0.3534,
0.4212


100.0000, 0.3127,
0.3290


■ 90.4369, 0.3636,
0.4474


■ 88.9131, 0.3723,
0.4717

 87.5771, 0.3790,
0.4931

 86.4147, 0.3832,
0.5106

 85.4096, 0.3848,
0.5235

 84.5416, 0.3838,
0.5316

 84.1663, 0.3827,
0.5343

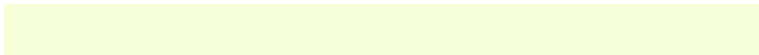
Harmonies

Analogous

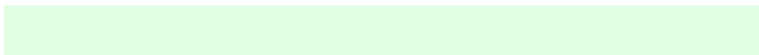
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



96.2520, 0.3480, 0.3640



96.2520, 0.3305, 0.3677



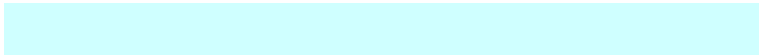
96.2520, 0.3086, 0.3602

Triad

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



96.2520, 0.3305, 0.3677



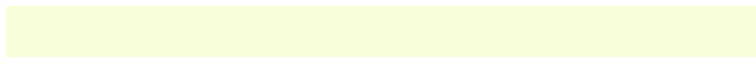
96.2520, 0.2712, 0.3049



96.2520, 0.3370, 0.3149

Complementary

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



96.2520, 0.3305, 0.3677



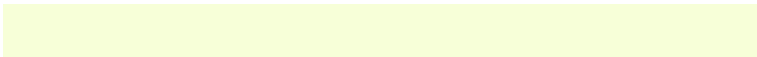
72.1976, 0.2932, 0.2885

Split Complementary

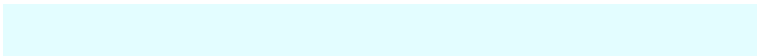
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



96.2520, 0.3157, 0.3004



96.2520, 0.3305, 0.3677



96.2520, 0.2781, 0.2943

Square

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



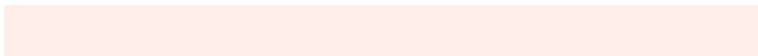
96.2520, 0.3305, 0.3677



96.2520, 0.2749, 0.3228



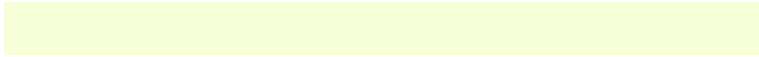
96.2520, 0.2941, 0.2929



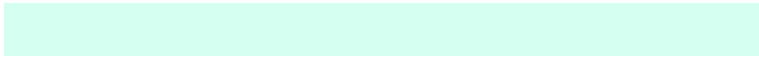
96.2520, 0.3520, 0.3331

Rectangle

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



96.2520, 0.3305, 0.3677



96.2520, 0.2946, 0.3497



96.2520, 0.2941, 0.2929



96.2520, 0.3303, 0.3095

Sweetspot

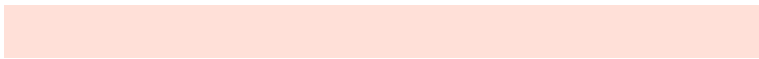
The Sweet Spot groups the original color and five complimentary colors.



96.2531, 0.3305, 0.3677



98.7127, 0.3185, 0.3413



79.4348, 0.3404, 0.3369



21.0909, 0.3193, 0.3431



0.0000, 0.0000, 0.0000



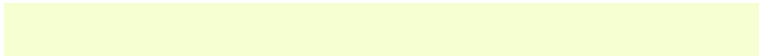
21.4041, 0.3127, 0.3290

Same Dimension

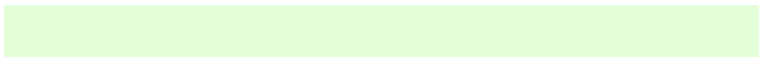
The Same Dimension uses a secret algorithm to generate beautiful new colors.



96.2531, 0.3305, 0.3677



95.6446, 0.3337, 0.3749



92.9273, 0.3181, 0.3692



20.8914, 0.3237, 0.3527



44.0444, 0.3834, 0.5338



4.3337, 0.3877, 0.5304

Inverse Universe

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



72.1976, 0.2932, 0.2885



67.8564, 0.2892, 0.2806



75.4552, 0.3063, 0.2901



17.5573, 0.3011, 0.3046



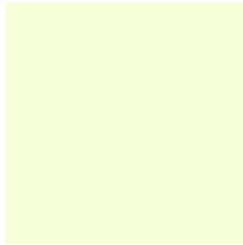
4.2092, 0.1601, 0.0656



0.4536, 0.1701, 0.0711

Previews

White Background



This preview shows how the Yxy color 96.2520, 0.3305, 0.3677 looks on a white background.

Color Contrast Check

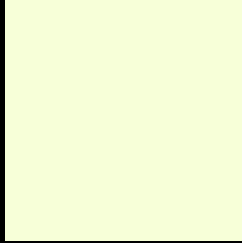
Large Text (above 18pt) WCAG AA × Fail

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 96.2520, 0.3305, 0.3677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

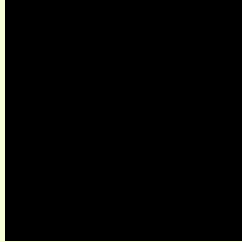
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

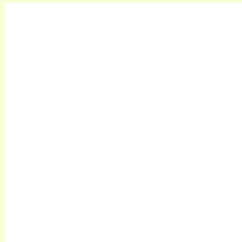
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 96.2520, 0.3305, 0.3677

Background



This preview shows how black text looks on a background with the Yxy color 96.2520, 0.3305, 0.3677.



This preview shows how white text looks on a background with the Yxy color 96.2520, 0.3305, 0.3677.

Color Blindness Simulation

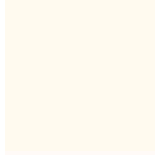
Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

96.2520, 0.3305, 0.3677



Protanopia

95.8632, 0.3224, 0.3397



Deuteranopia

96.3466, 0.3177, 0.3319

Tritanopia

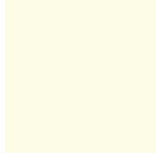
96.2867, 0.3111, 0.3242

Trichromacy



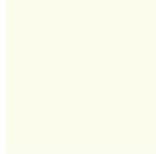
Original Color

96.2520, 0.3305, 0.3677



Protanomaly

96.0858, 0.3251, 0.3495



Deuteranomaly

96.3724, 0.3221, 0.3446



Tritanomaly

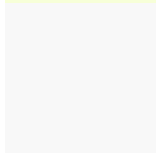
96.2957, 0.3179, 0.3397

Monochromacy



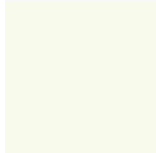
Original Color

96.2520, 0.3305, 0.3677



Achromatopsia

93.8686, 0.3127, 0.3290



Achromatomaly

95.0069, 0.3196, 0.3437

CSS Examples

Text

The CSS property to change the color of the text to Yxy 96.2520, 0.3305, 0.3677 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, 216)` looks like.

```
.text, #text, p{  
    color:rgb(247, 255, 216)  
}
```

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, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(247, 255, 216) }
```

Border

The CSS property to change the border of an element to Yxy 96.2520, 0.3305, 0.3677 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, 216) }
```

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

```
.border{ border-color:rgb(247, 255, 216) }
```

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, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(247, 255, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(247, 255, 216);  
box-shadow:4px 4px 4px 4px rgb(247, 255,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 96.2520, 0.3305, 0.3677 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, 216) }
```

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

```
.background{ background-color: rgb(247,  
255, 216) }
```

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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