

Converting Colors

$Y_{xy}(111.1213, 0.3219, 0.3729)$

Have a look what the booklet for
Yxy(111.1213, 0.3219, 0.3729)
contains.

Yxy(97.3729, 0.3235, 0.3535)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(97.3729, 0.3235, 0.3535)

Conversions

Conversions Part 1

Format	Color
Hex	F9FFE6
RGB	249, 255, 230
RGB Percent	98%, 100%, 90%
CMY	0.0236, 0.0000, 0.0980
CMYK	0.02, 0.00, 0.10, 0.00
HSL	74°, 100%, 95%
HSV	74°, 10%, 100%
XYZ	89.1093, 97.3729, 88.9716
YIQ	250.3560, 4.4490, -9.0470

Conversions

Conversions Part 2

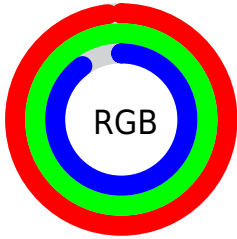
Format	Color
R_{YB}	230, 255, 236
Decimal	16383974
CIE Lab	98.98, -6.22, 11.25
CIE LCh	99, 12.858, 118.926
Yxy	97.3729, 0.3235, 0.3535
Android (android.graphics.Color)	4294574054 (0xFFFF9FFE6)
YUV	250.3560, -10.0355, -1.1892
Hunter-Lab	98.6777, -11.4945, 15.6163

Details

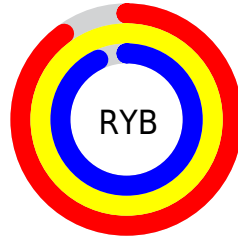
The Yxy color 97.3729, 0.3235, 0.3535 is a light color, and the websafe version is hex FFFFFFFF. A complement of this color would be 81.6593, 0.3013, 0.3039, and the grayscale version is 95.9886, 0.3127, 0.3290.

A 20% lighter version of the original color is 100.0000, 0.3127, 0.3290, and 54.7816, 0.3265, 0.3590 is the 20% darker color. If you saturate the color by 10%, you get 94.9346, 0.3346, 0.3798, and if you desaturate by 10%, it is 100.0000, 0.3127, 0.3290.

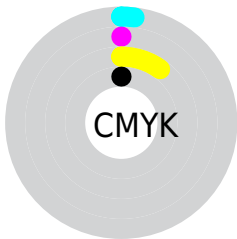
Distribution



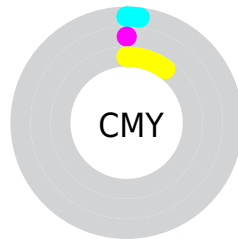
- Red (98%)
- Green (100%)
- Blue (90%)



- Red (90%)
- Yellow (100%)
- Blue (93%)



- Cyan (2%)
- Magenta (0%)
- Yellow (10%)
- Black (0%)




- Cyan (2%)
- Magenta (0%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 97.3729, 0.3235, 0.3535 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 97.3729, 0.3235, 0.3535 by changing the saturation by 10% instead.


 97.3729, 0.3235,
0.3535

 97.3729, 0.3235,
0.3535

551.7340, 0.3188,
0.3426

 74.1115, 0.3245,
0.3559

157.5388, 0.3219,
0.3498

 54.8853, 0.3257,
0.3588


195.2121, 0.3213,
0.3484

 39.3099, 0.3272,
0.3624


238.4582, 0.3208,
0.3471

 27.0009, 0.3290,
0.3670

287.6615, 0.3203,
0.3460

 17.5739, 0.3314,
0.3730

343.2063, 0.3199,
0.3450

 10.6445, 0.3346,
0.3813

405.4770, 0.3195,

 5.8283, 0.3390,

0.3441

0.3934

474.8581, 0.3191,
0.3433

■ 2.7410, 0.3456,
0.4126

■ 0.9980, 0.3800,
0.4785

■ 97.3729, 0.3235,
0.3535

■ 97.3729, 0.3235,
0.3535

■ 94.9346, 0.3346,
0.3798

100.0000, 0.3127,
0.3290

■ 92.7336, 0.3455,
0.4070

■ 90.7595, 0.3557,
0.4341

■ 89.0013, 0.3647,
0.4601

■ 87.4472, 0.3719,
0.4840

■ 86.0840, 0.3769,
0.5045

■ 84.8964, 0.3793,
0.5206

■ 83.8665, 0.3791,
0.5320

■ 82.9660, 0.3766,
0.5391

Harmonies

Analogous

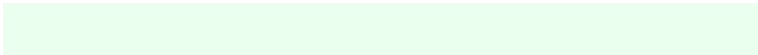
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



97.3729, 0.3349, 0.3518



97.3729, 0.3235, 0.3535



97.3729, 0.3094, 0.3482

Triad

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



97.3729, 0.3235, 0.3535



97.3729, 0.2858, 0.3131



97.3729, 0.3291, 0.3206

Complementary

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



97.3729, 0.3235, 0.3535



81.6593, 0.3013, 0.3039

Split Complementary

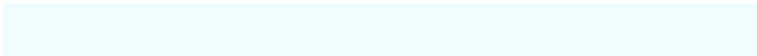
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



97.3729, 0.3156, 0.3108



97.3729, 0.3235, 0.3535



97.3729, 0.2908, 0.3064

Square

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



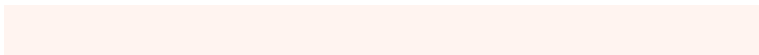
97.3729, 0.3235, 0.3535



97.3729, 0.2879, 0.3245



97.3729, 0.3016, 0.3057



97.3729, 0.3382, 0.3326

Rectangle

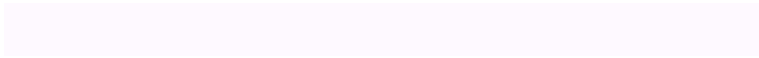
The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



97.3729, 0.3235, 0.3535



97.3729, 0.3004, 0.3415



97.3729, 0.3016, 0.3057



97.3729, 0.3249, 0.3170

Sweetspot

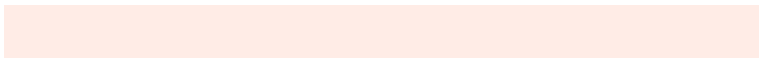
The Sweet Spot groups the original color and five complimentary colors.



97.3725, 0.3235, 0.3535



99.1699, 0.3160, 0.3363



86.8761, 0.3294, 0.3348



21.1798, 0.3169, 0.3383



0.0000, 0.0000, 0.0000



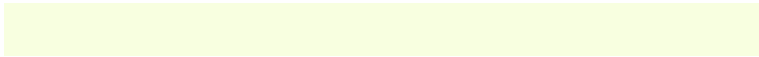
21.4041, 0.3127, 0.3290

Same Dimension

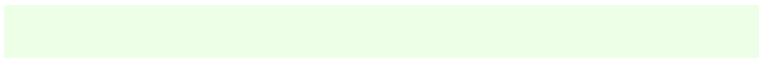
The Same Dimension uses a secret algorithm to generate beautiful new colors.



97.3725, 0.3235, 0.3535



96.8148, 0.3260, 0.3592



95.1833, 0.3157, 0.3541



20.8578, 0.3232, 0.3527



43.4149, 0.3773, 0.5386



4.2774, 0.3823, 0.5347

Inverse Universe

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



81.6593, 0.3013, 0.3039



77.8618, 0.2984, 0.2979



83.8408, 0.3094, 0.3045



17.5885, 0.3016, 0.3047



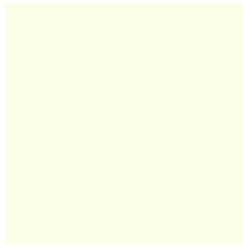
4.3530, 0.1634, 0.0674



0.4717, 0.1741, 0.0733

Previews

White Background



This preview shows how the Yxy color 97.3729, 0.3235, 0.3535 looks on a white background.

Color Contrast Check

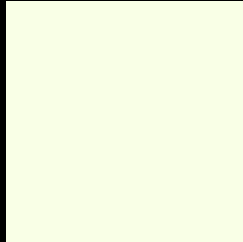
Large Text (above 18pt) WCAG AA × Fail

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 97.3729, 0.3235, 0.3535 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

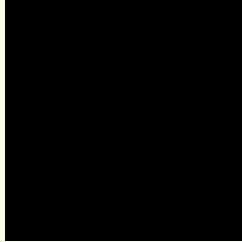
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 97.3729, 0.3235, 0.3535

Background



This preview shows how black text looks on a background with the Yxy color 97.3729, 0.3235, 0.3535.

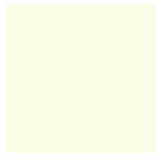


This preview shows how white text looks on a background with the Yxy color 97.3729, 0.3235, 0.3535.

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

97.3729, 0.3235, 0.3535



Protanopia

97.4734, 0.3187, 0.3357

Deuteranopia

97.1565, 0.3158, 0.3300

Tritanopia

97.5363, 0.3110, 0.3261

Trichromacy



Original Color

97.3729, 0.3235, 0.3535

Protanomaly

97.4245, 0.3203, 0.3416

Deuteranomaly

96.9745, 0.3186, 0.3377

Tritanomaly

97.4136, 0.3155, 0.3358

Monochromacy



Original Color

97.3729, 0.3235, 0.3535



Achromatopsia

95.5973, 0.3127, 0.3290



Achromatomaly

96.4159, 0.3167, 0.3377

CSS Examples

Text

The CSS property to change the color of the text to Yxy 97.3729, 0.3235, 0.3535 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(249, 255, 230)` looks like.

```
.text, #text, p{  
    color:rgb(249, 255, 230)  
}
```

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(249, 255, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(249, 255, 230) }
```

Border

The CSS property to change the border of an element to Yxy 97.3729, 0.3235, 0.3535 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(249, 255, 230) }
```

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

```
.border{ border-color:rgb(249, 255, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(249, 255, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(249, 255, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(249, 255, 230);  
box-shadow:4px 4px 4px 4px rgb(249, 255,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 97.3729, 0.3235, 0.3535 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(249, 255, 230) }
```

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

```
.background{ background-color: rgb(249,  
255, 230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor