

Converting Colors

$Y_{xy}(100.0000, 0.3306, 0.4164)$

Have a look what the booklet for
Yxy(100.0000, 0.3306, 0.4164)
contains.

Yxy(90.5524, 0.3323, 0.4031)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(90.5524, 0.3323, 0.4031)

Conversions

Conversions Part 1

Format	Color
Hex	DEFFB9
RGB	222, 255, 185
RGB Percent	87%, 100%, 73%
CMY	0.1293, 0.0000, 0.2745
CMYK	0.13, 0.00, 0.27, 0.00
HSL	88°, 100%, 86%
HSV	88°, 27%, 100%
XYZ	74.6479, 90.5524, 59.4398
YIQ	237.1530, 2.8020, -28.7660

Conversions

Conversions Part 2

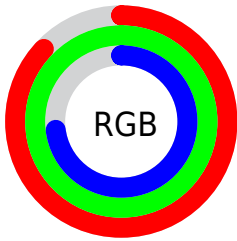
Format	Color
RYB	185, 255, 218
Decimal	14614457
CIELab	96.23, -22.42, 30.04
CIELCh	96, 37.479, 126.735
Yxy	90.5524, 0.3323, 0.4031
Android (android.graphics.Color)	4292804537 (0xFFDEFFB9)
YUV	237.1530, -25.7114, -13.2892
Hunter-Lab	95.1590, -26.5032, 29.5766

Details

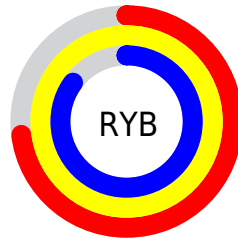
The Yxy color **90.5524, 0.3323, 0.4031** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **56.8161, 0.2880, 0.2544**, and the grayscale version is **85.0184, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1309, 0.3209, 0.3425**, and **50.1339, 0.3357, 0.4206** is the 20% darker color. If you saturate the color by 10%, you get **87.7446, 0.3386, 0.4328**, and if you desaturate by 10%, it is **93.6963, 0.3254, 0.3745**.

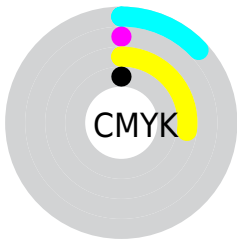
Distribution



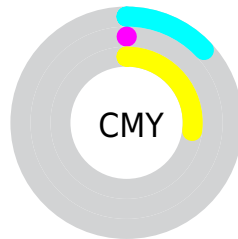
- Red (87%)
- Green (100%)
- Blue (73%)



- Red (73%)
- Yellow (100%)
- Blue (85%)



- Cyan (13%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (13%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.5524, 0.3323, 0.4031 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 90.5524, 0.3323, 0.4031 by changing the saturation by 10% instead.


 90.5524, 0.3323,
0.4031

 90.5524, 0.3323,
0.4031


529.8262, 0.3244,
0.3690

 68.4389, 0.3338,
0.4108

 148.1055, 0.3298,
0.3913

 50.2549, 0.3356,
0.4202

184.3138, 0.3287,
0.3867

 35.6160, 0.3376,
0.4321


225.9892, 0.3278,
0.3828

 24.1377, 0.3398,
0.4474

273.5161, 0.3270,
0.3793

 15.4358, 0.3422,
0.4677

327.2788, 0.3262,
0.3763

 9.1258, 0.3442,
0.4960

387.6618, 0.3255,

 4.8233, 0.3442,

0.3736

0.5372

455.0495, 0.3249,
0.3712

■ 2.1440, 0.3592,
0.6408

■ 0.6892, 0.1353,
0.8647

■ 90.5524, 0.3323,
0.4031

■ 90.5524, 0.3323,
0.4031

■ 87.7446, 0.3386,
0.4328

■ 93.6963, 0.3254,
0.3745

■ 85.2480, 0.3438,
0.4626

■ 97.1767, 0.3181,
0.3477

■ 83.0522, 0.3475,
0.4913

99.9990, 0.3127,
0.3290

■ 81.1419, 0.3492,
0.5172

■ 79.4996, 0.3486,
0.5391

■ 78.1054, 0.3457,
0.5556

■ 76.9341, 0.3407,
0.5665

■ 76.6626, 0.3393,
0.5688

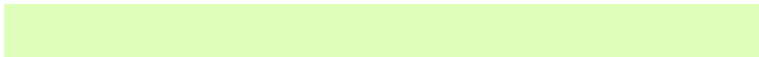
Harmonies

Analogous

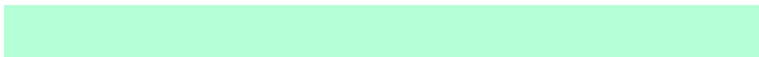
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.5524, 0.3702, 0.4003



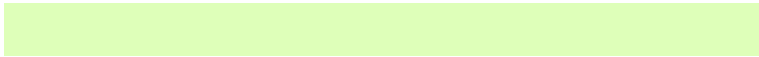
90.5524, 0.3323, 0.4031



90.5524, 0.2908, 0.3818

Triad

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



90.5524, 0.3323, 0.4031



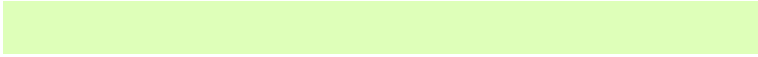
90.5524, 0.2375, 0.2743



90.5524, 0.3706, 0.3122

Complementary

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



90.5524, 0.3323, 0.4031



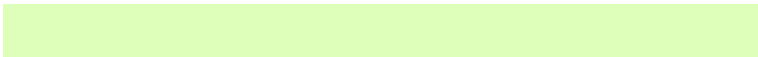
56.8161, 0.2880, 0.2544

Split Complementary

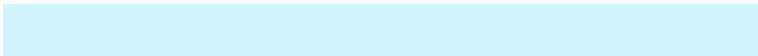
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.5524, 0.3313, 0.2836



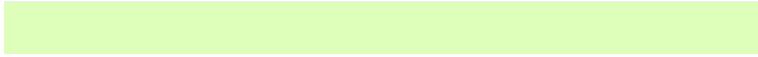
90.5524, 0.3323, 0.4031



90.5524, 0.2555, 0.2616

Square

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



90.5524, 0.3323, 0.4031



90.5524, 0.2378, 0.3033



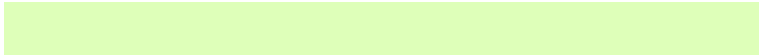
90.5524, 0.2890, 0.2654



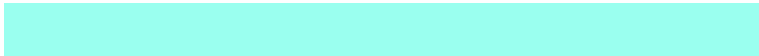
90.5524, 0.3939, 0.3459

Rectangle

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



90.5524, 0.3323, 0.4031



90.5524, 0.2666, 0.3572



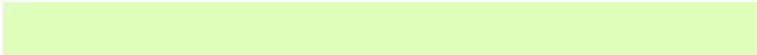
90.5524, 0.2890, 0.2654



90.5524, 0.3587, 0.3018

Sweetspot

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



90.5564, 0.3323, 0.4031



96.9783, 0.3185, 0.3491



74.7311, 0.3638, 0.3626



20.6411, 0.3196, 0.3530



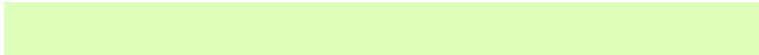
0.0000, 0.0000, 0.0000



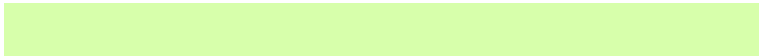
21.4041, 0.3127, 0.3290

Same Dimension

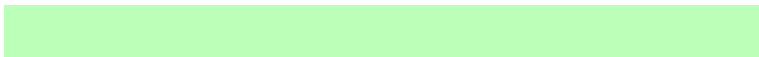
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.5564, 0.3323, 0.4031



88.9579, 0.3359, 0.4195



85.6281, 0.3104, 0.4083



20.6411, 0.3196, 0.3530



40.1481, 0.3405, 0.5679



3.9741, 0.3488, 0.5612

Inverse Universe

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



56.8161, 0.2880, 0.2544



50.0612, 0.2817, 0.2378



62.7362, 0.3141, 0.2601



17.7971, 0.3053, 0.3050



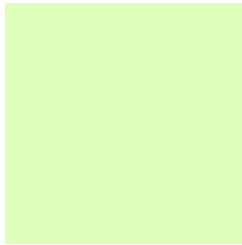
5.9496, 0.1966, 0.0856



0.6437, 0.2090, 0.0925

Previews

White Background



This preview shows how the Yxy color 90.5524, 0.3323, 0.4031 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 90.5524, 0.3323, 0.4031 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

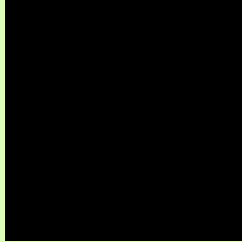
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

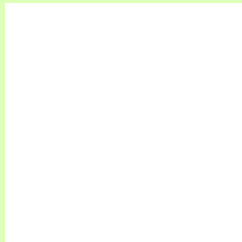
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.5524, 0.3323, 0.4031

Background



This preview shows how black text looks on a background with the Yxy color 90.5524, 0.3323, 0.4031.

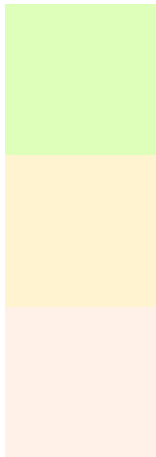


This preview shows how white text looks on a background with the Yxy color 90.5524, 0.3323, 0.4031.

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

90.5524, 0.3323, 0.4031

Protanopia

90.4664, 0.3431, 0.3658

Deuteranopia

89.9968, 0.3276, 0.3379



Tritanopia

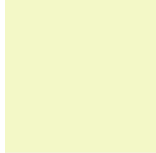
90.0985, 0.3024, 0.3181

Trichromacy



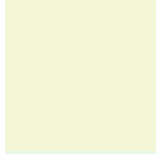
Original Color

90.5524, 0.3323, 0.4031



Protanomaly

90.3130, 0.3392, 0.3789



Deuteranomaly

89.8725, 0.3296, 0.3604



Tritanomaly

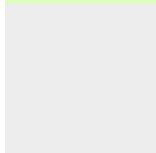
90.0038, 0.3131, 0.3474

Monochromacy



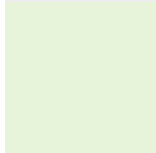
Original Color

90.5524, 0.3323, 0.4031



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.9191, 0.3206, 0.3560

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.5524, 0.3323, 0.4031 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(222, 255, 185)` looks like.

```
.text, #text, p{  
    color:rgb(222, 255, 185)  
}
```

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(222, 255, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(222, 255, 185) }
```

Border

The CSS property to change the border of an element to Yxy 90.5524, 0.3323, 0.4031 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(222, 255, 185) }
```

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

```
.border{ border-color:rgb(222, 255, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(222, 255, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(222, 255, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(222, 255, 185);  
box-shadow:4px 4px 4px 4px rgb(222, 255,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 90.5524, 0.3323, 0.4031 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(222, 255, 185) }
```

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

```
.background{ background-color: rgb(222,  
255, 185) }
```

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