

Converting Colors

$Y_{xy}(100.0000, 0.3366, 0.4243)$

Have a look what the booklet for
Yxy(100.0000, 0.3366, 0.4243)
contains.

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Color

Yxy(90.6621, 0.3394, 0.4122)

Conversions

Conversions Part 1

Format	Color
Hex	E1FFB0
RGB	225, 255, 176
RGB Percent	88%, 100%, 69%
CMY	0.1176, 0.0000, 0.3098
CMYK	0.12, 0.00, 0.31, 0.00
HSL	83°, 100%, 85%
HSV	83°, 31%, 100%
XYZ	74.6500, 90.6621, 54.6348
YIQ	237.0240, 7.4790, -30.9290

Conversions

Conversions Part 2

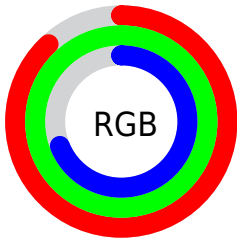
Format	Color
RYB	176, 255, 206
Decimal	14811056
CIELab	96.27, -22.61, 34.64
CIELCh	96, 41.367, 123.128
Yxy	90.6621, 0.3394, 0.4122
Android (android.graphics.Color)	4293001136 (0xFFE1FFB0)
YUV	237.0240, -30.0848, -10.5450
Hunter-Lab	95.2166, -26.6849, 32.6314

Details

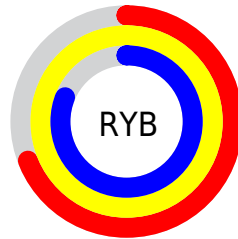
The Yxy color **90.6621, 0.3394, 0.4122** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **51.3873, 0.2786, 0.2426**, and the grayscale version is **84.9411, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.6062, 0.3262, 0.3513**, and **50.2532, 0.3439, 0.4306** is the 20% darker color. If you saturate the color by 10%, you get **88.2357, 0.3470, 0.4410**, and if you desaturate by 10%, it is **93.3700, 0.3310, 0.3839**.

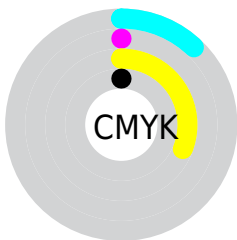
Distribution



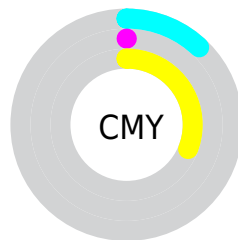
- Red (88%)
- Green (100%)
- Blue (69%)



- Red (69%)
- Yellow (100%)
- Blue (81%)



- Cyan (12%)
- Magenta (0%)
- Yellow (31%)
- Black (0%)




- Cyan (12%)
- Magenta (0%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.6621, 0.3394, 0.4122 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 90.6621, 0.3394, 0.4122 by changing the saturation by 10% instead.


 90.6621, 0.3394,
0.4122

 90.6621, 0.3394,
0.4122


530.1823, 0.3285,
0.3740

 68.5299, 0.3415,
0.4208


 148.2577, 0.3359,
0.3990

 50.3290, 0.3439,
0.4313


184.4900, 0.3345,
0.3939

 35.6749, 0.3467,
0.4444

226.1910, 0.3332,
0.3894

 24.1832, 0.3497,
0.4613

273.7453, 0.3321,
0.3856

 15.4696, 0.3529,
0.4835

327.5372, 0.3310,
0.3821

 9.1496, 0.3556,
0.5138

387.9510, 0.3301,

 4.8389, 0.3563,

0.3791

0.5578

455.3713, 0.3293,
0.3764

■ 2.1530, 0.3583,
0.6417

■ 0.6942, 0.1346,
0.8654

■ 90.6621, 0.3394,
0.4122

■ 90.6621, 0.3394,
0.4122

■ 88.2357, 0.3470,
0.4410

■ 93.3700, 0.3310,
0.3839

■ 86.0731, 0.3533,
0.4691

■ 96.3651, 0.3223,
0.3568

■ 84.1630, 0.3578,
0.4953

■ 99.6596, 0.3136,
0.3314

■ 82.4909, 0.3601,
0.5182

■ 100.0000, 0.3127,
0.3290

■ 81.0400, 0.3599,
0.5366

■ 79.7909, 0.3572,
0.5499

■ 78.8108, 0.3532,
0.5578

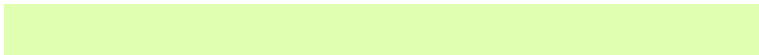
Harmonies

Analogous

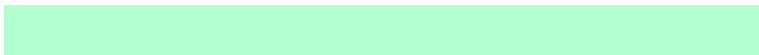
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.6621, 0.3799, 0.4053



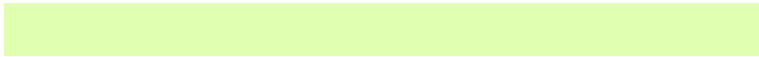
90.6621, 0.3394, 0.4122



90.6621, 0.2936, 0.3918

Triad

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



90.6621, 0.3394, 0.4122



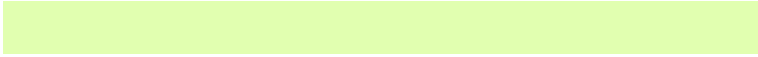
90.6621, 0.2293, 0.2716



90.6621, 0.3720, 0.3061

Complementary

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



90.6621, 0.3394, 0.4122



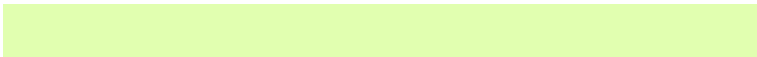
51.3873, 0.2786, 0.2426

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.



90.6621, 0.3273, 0.2762



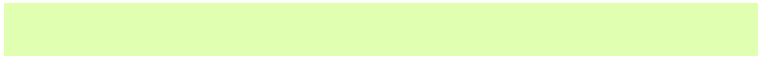
90.6621, 0.3394, 0.4122



90.6621, 0.2466, 0.2558

Square

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



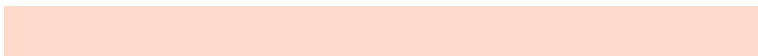
90.6621, 0.3394, 0.4122



90.6621, 0.2321, 0.3051



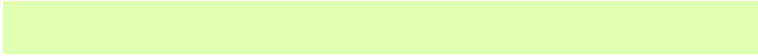
90.6621, 0.2813, 0.2581



90.6621, 0.4006, 0.3425

Rectangle

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



90.6621, 0.3394, 0.4122



90.6621, 0.2663, 0.3655



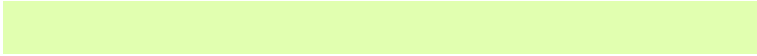
90.6621, 0.2813, 0.2581



90.6621, 0.3582, 0.2952

Sweetspot

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



90.6640, 0.3394, 0.4122



96.9942, 0.3206, 0.3516



68.0391, 0.3743, 0.3592



20.6617, 0.3219, 0.3554



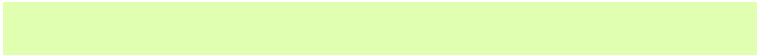
0.0000, 0.0000, 0.0000



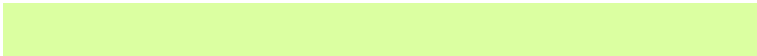
21.4041, 0.3127, 0.3290

Same Dimension

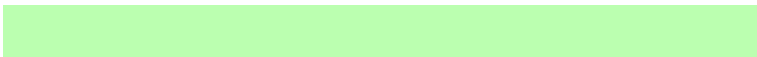
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.6640, 0.3394, 0.4122



89.1703, 0.3441, 0.4295



85.1597, 0.3147, 0.4189



20.7263, 0.3210, 0.3529



41.2687, 0.3542, 0.5570



4.0809, 0.3616, 0.5511

Inverse Universe

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



51.3873, 0.2786, 0.2426



44.3852, 0.2703, 0.2238



57.5847, 0.3081, 0.2497



17.7137, 0.3038, 0.3048



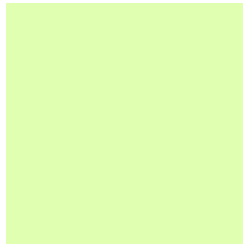
5.1731, 0.1810, 0.0771



0.5639, 0.1935, 0.0840

Previews

White Background



This preview shows how the Yxy color 90.6621, 0.3394, 0.4122 looks on a white background.

Color Contrast Check

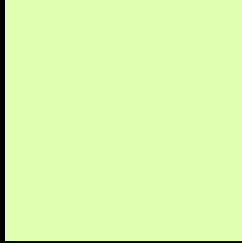
Large Text (above 18pt) WCAG AA × Fail

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 90.6621, 0.3394, 0.4122 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

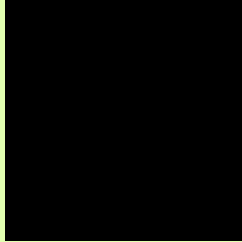
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

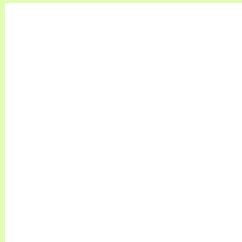
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.6621, 0.3394, 0.4122

Background



This preview shows how black text looks on a background with the Yxy color 90.6621, 0.3394, 0.4122.

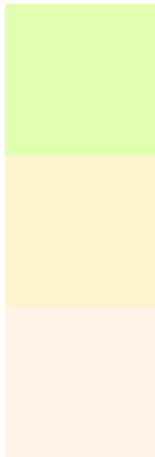


This preview shows how white text looks on a background with the Yxy color 90.6621, 0.3394, 0.4122.

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

90.6621, 0.3394, 0.4122

Protanopia

90.4176, 0.3437, 0.3668

Deuteranopia

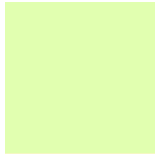
90.5338, 0.3281, 0.3398



Tritanopia

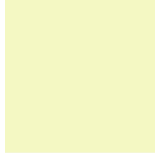
90.4466, 0.3037, 0.3181

Trichromacy



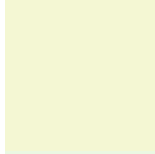
Original Color

90.6621, 0.3394, 0.4122



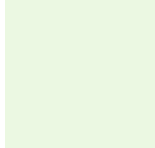
Protanomaly

90.3080, 0.3423, 0.3829



Deuteranomaly

90.4578, 0.3326, 0.3654



Tritanomaly

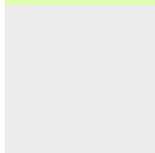
90.2880, 0.3174, 0.3514

Monochromacy



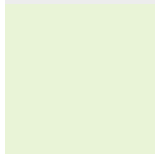
Original Color

90.6621, 0.3394, 0.4122



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.9313, 0.3231, 0.3591

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.6621, 0.3394, 0.4122 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(225, 255, 176)` looks like.

```
.text, #text, p{  
    color:rgb(225, 255, 176)  
}
```

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(225, 255, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 176) }
```

Border

The CSS property to change the border of an element to Yxy 90.6621, 0.3394, 0.4122 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(225, 255, 176) }
```

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

```
.border{ border-color:rgb(225, 255, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(225, 255, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 255, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 255, 176);  
box-shadow:4px 4px 4px 4px rgb(225, 255,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 90.6621, 0.3394, 0.4122 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(225, 255, 176) }
```

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

```
.background{ background-color: rgb(225,  
255, 176) }
```

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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