

Converting Colors

$Y_{xy}(130.3291, 0.3261, 0.4474)$

Have a look what the booklet for
Yxy(130.3291, 0.3261, 0.4474)
contains.

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Color

Yxy(90.8701, 0.3336, 0.4028)

Conversions

Conversions Part 1

Format	Color
Hex	E0FFB9
RGB	224, 255, 185
RGB Percent	88%, 100%, 73%
CMY	0.1215, 0.0000, 0.2745
CMYK	0.12, 0.00, 0.27, 0.00
HSL	87°, 100%, 86%
HSV	87°, 27%, 100%
XYZ	75.2589, 90.8701, 59.4671
YIQ	237.7510, 3.9940, -28.3420

Conversions

Conversions Part 2

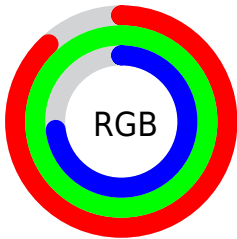
Format	Color
RYB	185, 255, 216
Decimal	14745529
CIELab	96.36, -21.73, 30.24
CIELCh	96, 37.233, 125.699
Yxy	90.8701, 0.3336, 0.4028
Android (android.graphics.Color)	4292935609 (0xFFE0FFB9)
YUV	237.7510, -26.0062, -12.0596
Hunter-Lab	95.3258, -25.8961, 29.7412

Details

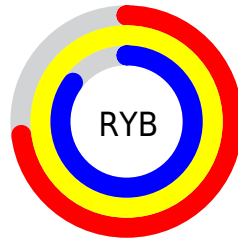
The Yxy color **90.8701, 0.3336, 0.4028** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **56.5116, 0.2865, 0.2541**, and the grayscale version is **85.5011, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.1309, 0.3209, 0.3425**, and **50.3517, 0.3374, 0.4201** is the 20% darker color. If you saturate the color by 10%, you get **88.1450, 0.3404, 0.4322**, and if you desaturate by 10%, it is **93.9108, 0.3262, 0.3744**.

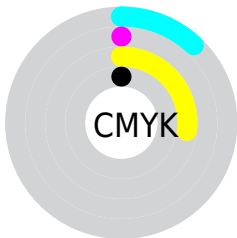
Distribution



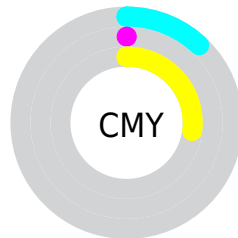
- Red (88%)
- Green (100%)
- Blue (73%)



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



- Cyan (12%)
- Magenta (0%)
- Yellow (27%)
- Black (0%)





- Cyan (12%)
- Magenta (0%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.8701, 0.3336, 0.4028 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 90.8701, 0.3336, 0.4028 by changing the saturation by 10% instead.

 90.8701, 0.3336,
0.4028

 90.8701, 0.3336,
0.4028


530.8572, 0.3251,
0.3689

 68.7025, 0.3353,
0.4104


 148.5464, 0.3309,
0.3911

 50.4695, 0.3372,
0.4198


184.8239, 0.3297,
0.3865

 35.7866, 0.3394,
0.4315


226.5736, 0.3287,
0.3826

 24.2694, 0.3418,
0.4467


274.1797, 0.3278,
0.3792

 15.5336, 0.3445,
0.4668

328.0268, 0.3270,
0.3761

 9.1947, 0.3470,
0.4946

388.4991, 0.3263,

 4.8684, 0.3477,

0.3734

0.5350

455.9811, 0.3257,
0.3711

■ 2.1703, 0.3638,
0.6362

■ 0.7037, 0.1644,
0.8356

■ 90.8701, 0.3336,
0.4028

■ 90.8701, 0.3336,
0.4028

■ 88.1450, 0.3404,
0.4322

■ 93.9108, 0.3262,
0.3744

■ 85.7188, 0.3461,
0.4616

■ 97.2748, 0.3185,
0.3476

■ 83.5792, 0.3502,
0.4898

100.0000, 0.3127,
0.3290

■ 81.7112, 0.3523,
0.5152

■ 80.0980, 0.3521,
0.5365

■ 78.7203, 0.3495,
0.5526

■ 77.5534, 0.3448,
0.5633

■ 77.2813, 0.3434,
0.5655

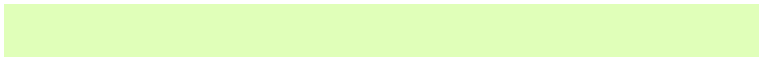
Harmonies

Analogous

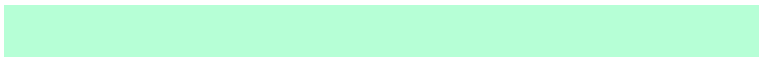
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.8701, 0.3708, 0.3992



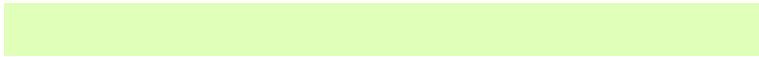
90.8701, 0.3336, 0.4028



90.8701, 0.2923, 0.3825

Triad

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



90.8701, 0.3336, 0.4028



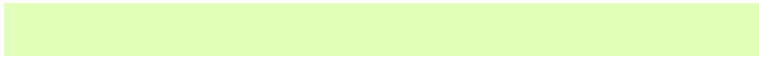
90.8701, 0.2378, 0.2755



90.8701, 0.3690, 0.3112

Complementary

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



90.8701, 0.3336, 0.4028



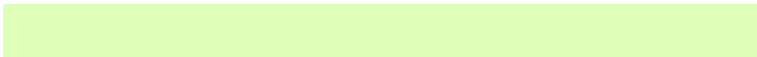
56.5116, 0.2865, 0.2541

Split Complementary

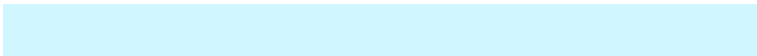
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.8701, 0.3297, 0.2831



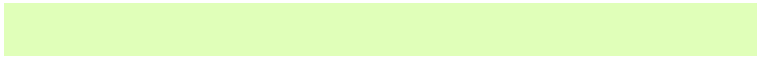
90.8701, 0.3336, 0.4028



90.8701, 0.2550, 0.2623

Square

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



90.8701, 0.3336, 0.4028



90.8701, 0.2387, 0.3048



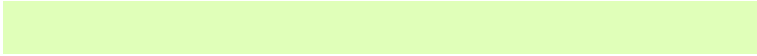
90.8701, 0.2878, 0.2655



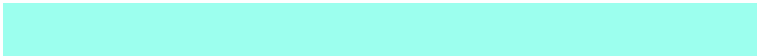
90.8701, 0.3928, 0.3446

Rectangle

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



90.8701, 0.3336, 0.4028



90.8701, 0.2681, 0.3583



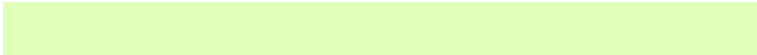
90.8701, 0.2878, 0.2655



90.8701, 0.3570, 0.3009

Sweetspot

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



90.8714, 0.3336, 0.4028



97.0824, 0.3189, 0.3490



73.5314, 0.3645, 0.3603



20.6673, 0.3200, 0.3530



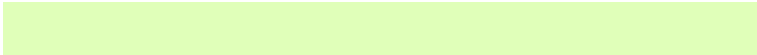
0.0000, 0.0000, 0.0000



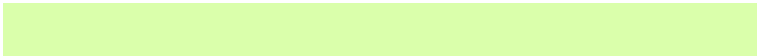
21.4041, 0.3127, 0.3290

Same Dimension

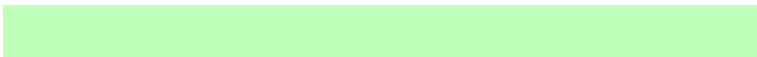
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.8714, 0.3336, 0.4028



89.3213, 0.3375, 0.4190



85.9260, 0.3118, 0.4080



20.6673, 0.3200, 0.3530



40.4711, 0.3446, 0.5646



4.0053, 0.3527, 0.5582

Inverse Universe

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



56.5116, 0.2865, 0.2541



49.7137, 0.2799, 0.2374



62.3007, 0.3124, 0.2597



17.7712, 0.3048, 0.3049



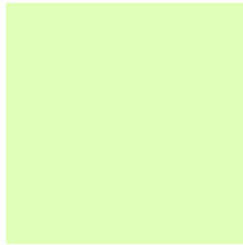
5.6881, 0.1914, 0.0828



0.6173, 0.2040, 0.0897

Previews

White Background



This preview shows how the Yxy color 90.8701, 0.3336, 0.4028 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 90.8701, 0.3336, 0.4028 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

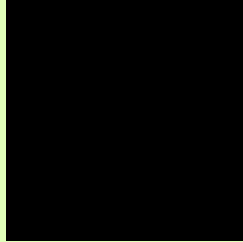
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

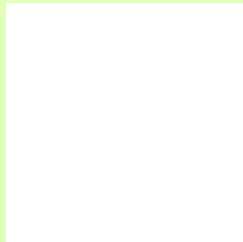
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.8701, 0.3336, 0.4028

Background



This preview shows how black text looks on a background with the Yxy color 90.8701, 0.3336, 0.4028.

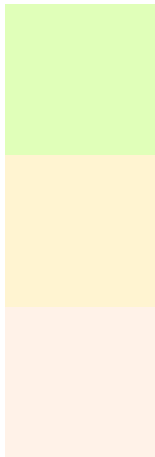


This preview shows how white text looks on a background with the Yxy color 90.8701, 0.3336, 0.4028.

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

90.8701, 0.3336, 0.4028

Protanopia

90.5648, 0.3418, 0.3637

Deuteranopia

90.5905, 0.3275, 0.3388



Tritanopia

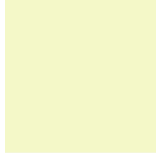
90.4466, 0.3037, 0.3181

Trichromacy



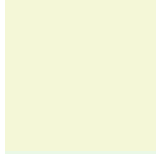
Original Color

90.8701, 0.3336, 0.4028



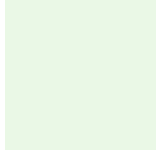
Protanomaly

90.5380, 0.3392, 0.3778



Deuteranomaly

90.6609, 0.3301, 0.3613



Tritanomaly

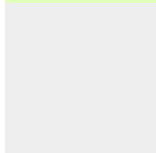
90.3404, 0.3144, 0.3473

Monochromacy



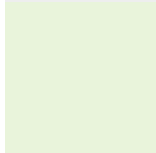
Original Color

90.8701, 0.3336, 0.4028



Achromatopsia

85.4993, 0.3127, 0.3290



Achromatomaly

87.1395, 0.3206, 0.3548

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.8701, 0.3336, 0.4028 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(224, 255, 185)` looks like.

```
.text, #text, p{  
    color:rgb(224, 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(224, 255, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 185) }
```

Border

The CSS property to change the border of an element to Yxy 90.8701, 0.3336, 0.4028 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(224, 255, 185) }
```

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

```
.border{ border-color:rgb(224, 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(224, 255, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 185);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 90.8701, 0.3336, 0.4028 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(224, 255, 185) }
```

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

```
.background{ background-color: rgb(224,  
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](#).

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