

Converting Colors

$Y_{xy}(92.7875, 0.3480, 0.4315)$

Have a look what the booklet for
Yxy(92.7875, 0.3480, 0.4315)
contains.

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Color

Yxy(90.2268, 0.3490, 0.4286)

Conversions

Conversions Part 1

Format	Color
Hex	E2FFA0
RGB	226, 255, 160
RGB Percent	89%, 100%, 63%
CMY	0.1138, 0.0000, 0.3724
CMYK	0.11, 0.00, 0.37, 0.00
HSL	78°, 100%, 81%
HSV	78°, 37%, 100%
XYZ	73.4698, 90.2268, 46.8186
YIQ	235.4990, 13.2110, -35.6930

Conversions

Conversions Part 2

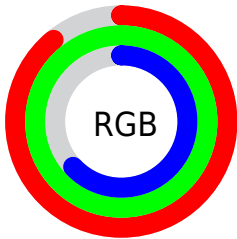
Format	Color
RYB	160, 255, 189
Decimal	14876576
CIELab	96.09, -24.28, 42.30
CIElCh	96, 48.775, 119.849
Yxy	90.2268, 0.3490, 0.4286
Android (android.graphics.Color)	4293066656 (0xFFE2FFA0)
YUV	235.4990, -37.2210, -8.3306
Hunter-Lab	94.9878, -28.1650, 37.2680

Details

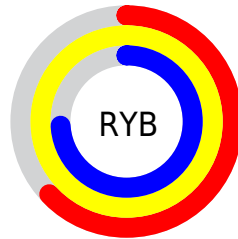
The Yxy color **90.2268, 0.3490, 0.4286** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **43.2011, 0.2647, 0.2215**, and the grayscale version is **83.7607, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.7379, 0.3358, 0.3671**, and **49.8847, 0.3546, 0.4512** is the 20% darker color. If you saturate the color by 10%, you get **88.1929, 0.3572, 0.4560**, and if you desaturate by 10%, it is **92.5011, 0.3398, 0.4007**.

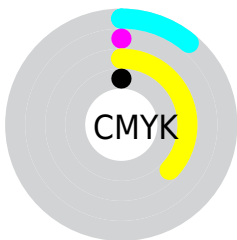
Distribution



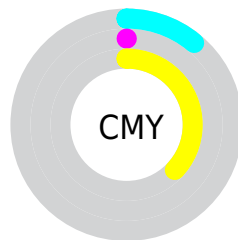
- Red (89%)
- Green (100%)
- Blue (63%)



- Red (63%)
- Yellow (100%)
- Blue (74%)



- Cyan (11%)
- Magenta (0%)
- Yellow (37%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (37%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.2268, 0.3490, 0.4286 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 90.2268, 0.3490, 0.4286 by changing the saturation by 10% instead.


 90.2268, 0.3490,
0.4286


 90.2268, 0.3490,
0.4286


528.7683, 0.3343,
0.3829

 68.1688, 0.3518,
0.4388


 147.6534, 0.3444,
0.4129

 50.0350, 0.3549,
0.4512


 183.7907, 0.3424,
0.4068

 35.4412, 0.3583,
0.4666


225.3900, 0.3407,
0.4014

 24.0030, 0.3620,
0.4861

272.8355, 0.3392,
0.3968

 15.3358, 0.3654,
0.5114

326.5117, 0.3378,
0.3927

 9.0554, 0.3674,
0.5448

386.8030, 0.3365,

 4.7773, 0.3728,

0.3891

0.6035

454.0937, 0.3354,
0.3858

■ 2.1172, 0.3476,
0.6524

■ 0.6743, 0.0668,
0.9332

■ 90.2268, 0.3490,
0.4286

■ 90.2268, 0.3490,
0.4286

■ 88.1929, 0.3572,
0.4560

■ 92.5011, 0.3398,
0.4007

■ 86.3871, 0.3637,
0.4817

■ 95.0267, 0.3299,
0.3733

■ 84.7964, 0.3681,
0.5045

■ 97.8138, 0.3199,
0.3470

■ 83.4056, 0.3701,
0.5233

100.0000, 0.3127,
0.3290

■ 82.1973, 0.3694,
0.5372

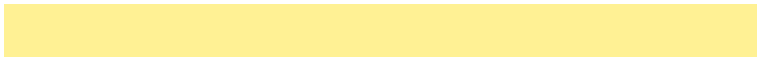
■ 81.1492, 0.3664,
0.5461

■ 80.8789, 0.3654,
0.5481

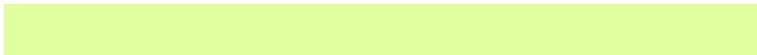
Harmonies

Analogous

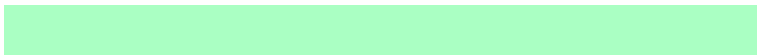
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.2268, 0.3953, 0.4156



90.2268, 0.3490, 0.4286



90.2268, 0.2952, 0.4085

Triad

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



90.2268, 0.3490, 0.4286



90.2268, 0.2150, 0.2644



90.2268, 0.3776, 0.2977

Complementary

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



90.2268, 0.3490, 0.4286



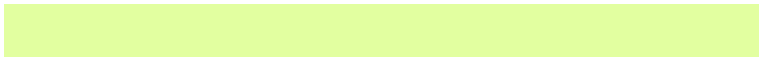
43.2011, 0.2647, 0.2215

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.



90.2268, 0.3233, 0.2646



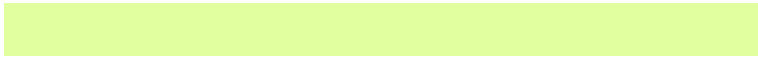
90.2268, 0.3490, 0.4286



90.2268, 0.2323, 0.2446

Square

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



90.2268, 0.3490, 0.4286



90.2268, 0.2205, 0.3054



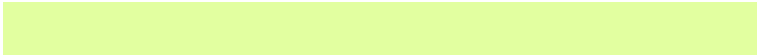
90.2268, 0.2703, 0.2455



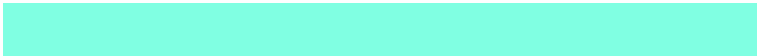
90.2268, 0.4144, 0.3389

Rectangle

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



90.2268, 0.3490, 0.4286



90.2268, 0.2626, 0.3782



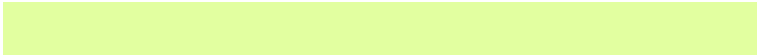
90.2268, 0.2703, 0.2455



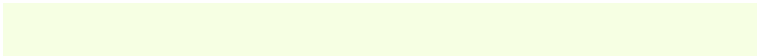
90.2268, 0.3605, 0.2854

Sweetspot

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



90.2269, 0.3490, 0.4286



96.7342, 0.3237, 0.3567



59.9923, 0.3932, 0.3591



20.6238, 0.3250, 0.3603



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

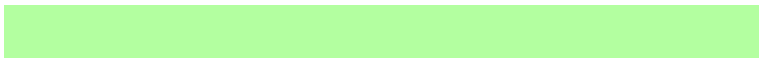
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.2269, 0.3490, 0.4286



88.6280, 0.3555, 0.4500



83.6471, 0.3185, 0.4389



20.7960, 0.3222, 0.3528



42.3431, 0.3662, 0.5474



4.1802, 0.3724, 0.5425

Inverse Universe

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



43.2011, 0.2647, 0.2215



35.1986, 0.2520, 0.1962



50.2102, 0.3015, 0.2321



17.6468, 0.3027, 0.3048



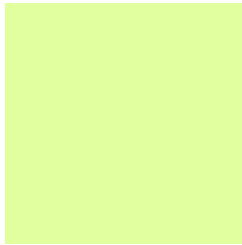
4.6849, 0.1707, 0.0714



0.5106, 0.1825, 0.0779

Previews

White Background



This preview shows how the Yxy color 90.2268, 0.3490, 0.4286 looks on a white background.

Color Contrast Check

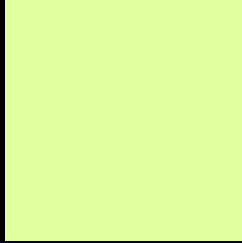
Large Text (above 18pt) WCAG AA × Fail

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 90.2268, 0.3490, 0.4286 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

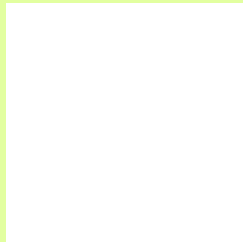
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.2268, 0.3490, 0.4286

Background



This preview shows how black text looks on a background with the Yxy color 90.2268, 0.3490, 0.4286.

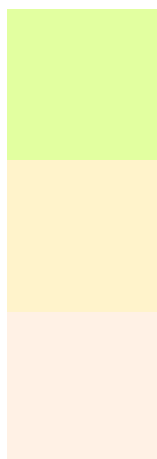


This preview shows how white text looks on a background with the Yxy color 90.2268, 0.3490, 0.4286.

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

90.2268, 0.3490, 0.4286

Protanopia

89.6730, 0.3458, 0.3688

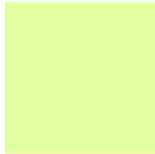
Deuteranopia

89.8277, 0.3295, 0.3408

Tritanopia

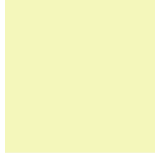
90.0220, 0.3043, 0.3172

Trichromacy



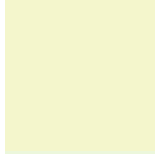
Original Color

90.2268, 0.3490, 0.4286



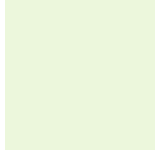
Protanomaly

89.3425, 0.3474, 0.3902



Deuteranomaly

89.5043, 0.3371, 0.3717



Tritanomaly

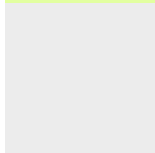
89.5217, 0.3218, 0.3566

Monochromacy



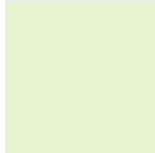
Original Color

90.2268, 0.3490, 0.4286



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.8111, 0.3268, 0.3656

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.2268, 0.3490, 0.4286 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(226, 255, 160)` looks like.

```
.text, #text, p{  
    color:rgb(226, 255, 160)  
}
```

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(226, 255, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 255, 160) }
```

Border

The CSS property to change the border of an element to Yxy 90.2268, 0.3490, 0.4286 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(226, 255, 160) }
```

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

```
.border{ border-color:rgb(226, 255, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(226, 255, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 255, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 255, 160);  
box-shadow:4px 4px 4px 4px rgb(226, 255,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 90.2268, 0.3490, 0.4286 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 255, 160) }
```

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

```
.background{ background-color: rgb(226,  
255, 160) }
```

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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