

Converting Colors

$Y_{xy}(100.0000, 0.3359, 0.4225)$

Have a look what the booklet for
Yxy(100.0000, 0.3359, 0.4225)
contains.

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Color

Yxy(90.7419, 0.3382, 0.4101)

Conversions

Conversions Part 1

Format	Color
Hex	E1FFB2
RGB	225, 255, 178
RGB Percent	88%, 100%, 70%
CMY	0.1179, 0.0000, 0.3019
CMYK	0.12, 0.00, 0.30, 0.00
HSL	83°, 100%, 85%
HSV	83°, 30%, 100%
XYZ	74.8327, 90.7419, 55.6931
YIQ	237.2520, 6.8370, -30.3070

Conversions

Conversions Part 2

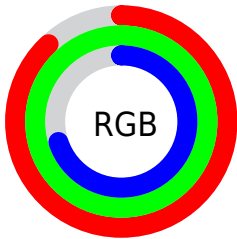
Format	Color
RYB	178, 255, 208
Decimal	14811058
CIELab	96.30, -22.37, 33.68
CIELCh	96, 40.434, 123.596
Yxy	90.7419, 0.3382, 0.4101
Android (android.graphics.Color)	4293001138 (0xFFE1FFB2)
YUV	237.2520, -29.2112, -10.7450
Hunter-Lab	95.2585, -26.4773, 32.0170

Details

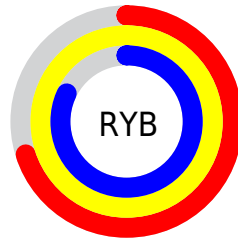
The Yxy color **90.7419, 0.3382, 0.4101** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **52.4841, 0.2803, 0.2452**, and the grayscale version is **85.1022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.7205, 0.3250, 0.3493**, and **50.3039, 0.3425, 0.4279** is the 20% darker color. If you saturate the color by 10%, you get **88.2476, 0.3457, 0.4390**, and if you desaturate by 10%, it is **93.5001, 0.3300, 0.3817**.

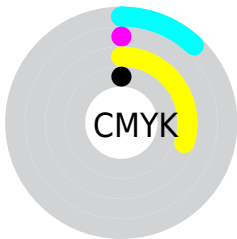
Distribution



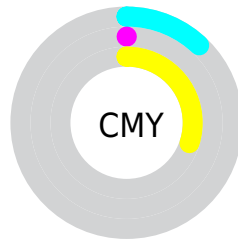
- Red (88%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (82%)



- Cyan (12%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)




- Cyan (12%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.7419, 0.3382, 0.4101 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 90.7419, 0.3382, 0.4101 by changing the saturation by 10% instead.


 90.7419, 0.3382,
0.4101

 90.7419, 0.3382,
0.4101


530.4413, 0.3278,
0.3728

 68.5961, 0.3402,
0.4185


 148.3685, 0.3349,
0.3973

 50.3829, 0.3425,
0.4287

184.6181, 0.3335,
0.3923

 35.7177, 0.3452,
0.4416


226.3378, 0.3323,
0.3879

 24.2163, 0.3481,
0.4580

273.9120, 0.3312,
0.3841

 15.4941, 0.3513,
0.4798

327.7250, 0.3302,
0.3808

 9.1669, 0.3540,
0.5096

388.1613, 0.3293,

 4.8502, 0.3546,

0.3778

0.5525

455.6053, 0.3285,
0.3752

■ 2.1596, 0.3598,
0.6402

■ 0.6979, 0.1437,
0.8563

■ 90.7419, 0.3382,
0.4101

■ 90.7419, 0.3382,
0.4101

■ 88.2476, 0.3457,
0.4390

■ 93.5001, 0.3300,
0.3817

■ 86.0347, 0.3519,
0.4674

■ 96.5632, 0.3214,
0.3547

■ 84.0803, 0.3564,
0.4940

99.9319, 0.3129,
0.3295

■ 82.3696, 0.3587,
0.5174

100.0000, 0.3127,
0.3290

■ 80.8860, 0.3585,
0.5364

■ 79.6103, 0.3559,
0.5503

■ 78.5310, 0.3514,
0.5591

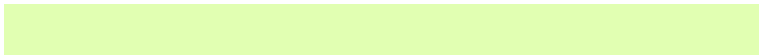
Harmonies

Analogous

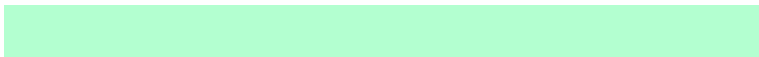
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.7419, 0.3779, 0.4039



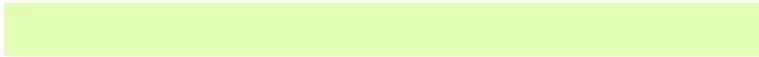
90.7419, 0.3382, 0.4101



90.7419, 0.2934, 0.3898

Triad

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



90.7419, 0.3382, 0.4101



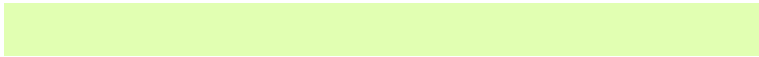
90.7419, 0.2312, 0.2725



90.7419, 0.3713, 0.3072

Complementary

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



90.7419, 0.3382, 0.4101



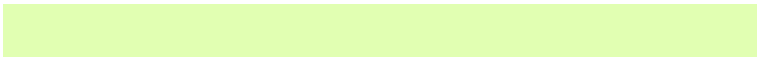
52.4841, 0.2803, 0.2452

Split Complementary

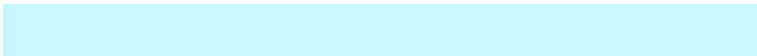
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



90.7419, 0.3277, 0.2777



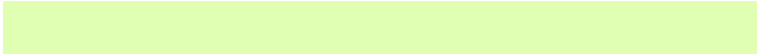
90.7419, 0.3382, 0.4101



90.7419, 0.2484, 0.2573

Square

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



90.7419, 0.3382, 0.4101



90.7419, 0.2336, 0.3051



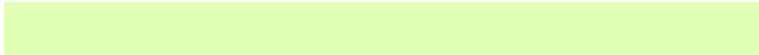
90.7419, 0.2827, 0.2597



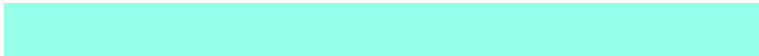
90.7419, 0.3988, 0.3429

Rectangle

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



90.7419, 0.3382, 0.4101



90.7419, 0.2668, 0.3640



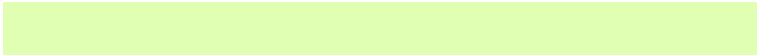
90.7419, 0.2827, 0.2597



90.7419, 0.3578, 0.2964

Sweetspot

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



90.7320, 0.3382, 0.4101



96.9488, 0.3204, 0.3516



69.3534, 0.3720, 0.3597



20.6505, 0.3217, 0.3554



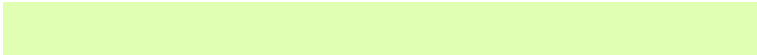
0.0000, 0.0000, 0.0000



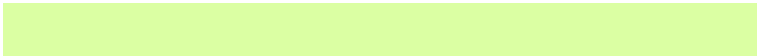
21.4041, 0.3127, 0.3290

Same Dimension

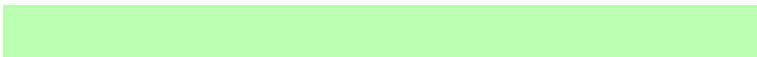
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.7320, 0.3382, 0.4101



89.2555, 0.3427, 0.4269



85.2982, 0.3139, 0.4165



20.7160, 0.3209, 0.3529



41.1230, 0.3525, 0.5583



4.0672, 0.3600, 0.5524

Inverse Universe

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



52.4841, 0.2803, 0.2452



45.6339, 0.2725, 0.2271



58.6599, 0.3092, 0.2520



17.7236, 0.3040, 0.3049



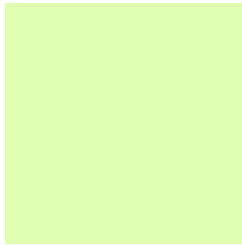
5.2555, 0.1827, 0.0780



0.5726, 0.1952, 0.0849

Previews

White Background



This preview shows how the Yxy color 90.7419, 0.3382, 0.4101 looks on a white background.

Color Contrast Check

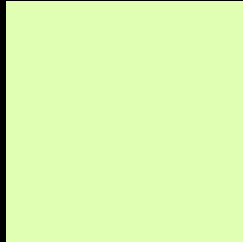
Large Text (above 18pt) WCAG AA × Fail

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 90.7419, 0.3382, 0.4101 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

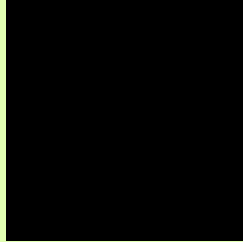
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

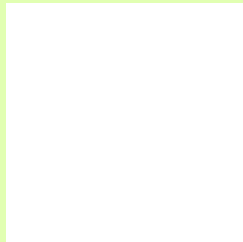
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.7419, 0.3382, 0.4101

Background



This preview shows how black text looks on a background with the Yxy color 90.7419, 0.3382, 0.4101.

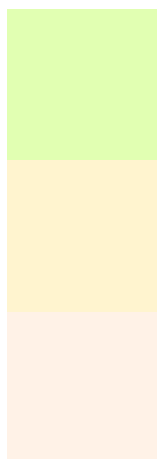


This preview shows how white text looks on a background with the Yxy color 90.7419, 0.3382, 0.4101.

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

90.7419, 0.3382, 0.4101

Protanopia

90.4664, 0.3431, 0.3658

Deuteranopia

90.5338, 0.3281, 0.3398



Tritanopia

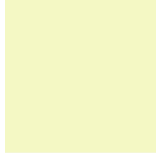
90.4466, 0.3037, 0.3181

Trichromacy



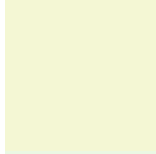
Original Color

90.7419, 0.3382, 0.4101



Protanomaly

90.3534, 0.3417, 0.3819



Deuteranomaly

90.5081, 0.3320, 0.3644



Tritanomaly

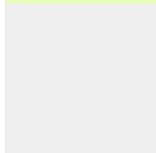
90.3430, 0.3168, 0.3504

Monochromacy



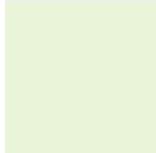
Original Color

90.7419, 0.3382, 0.4101



Achromatopsia

84.6873, 0.3127, 0.3290



Achromatomaly

86.9829, 0.3225, 0.3580

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.7419, 0.3382, 0.4101 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, 178)` looks like.

```
.text, #text, p{  
    color:rgb(225, 255, 178)  
}
```

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, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 178) }
```

Border

The CSS property to change the border of an element to Yxy 90.7419, 0.3382, 0.4101 is called "border". The border property can be set on classes, ids or directly on the HTML element.

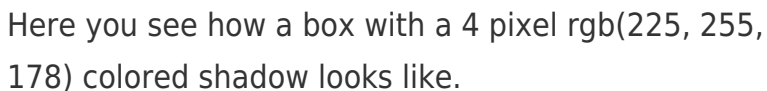
This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(225, 255, 178) }
```

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

```
.border{ border-color:rgb(225, 255, 178) }
```

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, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(225, 255, 178); -webkit-box-shadow:4px 4px 4px 4px rgb(225, 255, 178); box-shadow:4px 4px 4px 4px rgb(225, 255, 178) }
```


Background

The CSS property to change the background color of an element to Yxy 90.7419, 0.3382, 0.4101 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, 178) }
```

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

```
.background{ background-color: rgb(225,  
255, 178) }
```

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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