

Converting Colors

$Y_{xy}(90.1779, 0.3466, 0.4256)$

Have a look what the booklet for
Yxy(90.1779, 0.3466, 0.4256)
contains.

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Color

Yxy(90.1719, 0.3467, 0.4258)

Conversions

Conversions Part 1

Format	Color
Hex	E1FFA3
RGB	225, 255, 163
RGB Percent	88%, 100%, 64%
CMY	0.1176, 0.0000, 0.3608
CMYK	0.12, 0.00, 0.36, 0.00
HSL	80°, 100%, 82%
HSV	80°, 36%, 100%
XYZ	73.4208, 90.1719, 48.1778
YIQ	235.5420, 11.6520, -34.9720

Conversions

Conversions Part 2

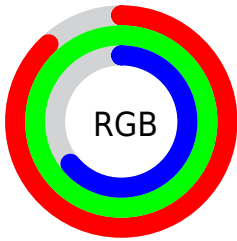
Format	Color
RYB	163, 255, 193
Decimal	14811043
CIELab	96.07, -24.28, 40.82
CIELCh	96, 47.493, 120.745
Yxy	90.1719, 0.3467, 0.4258
Android (android.graphics.Color)	4293001123 (0xFFE1FFA3)
YUV	235.5420, -35.7632, -9.2453
Hunter-Lab	94.9589, -28.1644, 36.3902

Details

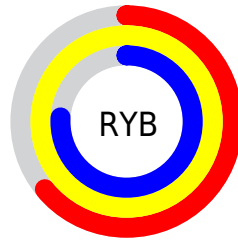
The Yxy color **90.1719, 0.3467, 0.4258** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **44.7452, 0.2679, 0.2256**, and the grayscale version is **83.7820, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.8945, 0.3339, 0.3641**, and **49.9490, 0.3527, 0.4474** is the 20% darker color. If you saturate the color by 10%, you get **88.0437, 0.3546, 0.4536**, and if you desaturate by 10%, it is **92.5483, 0.3377, 0.3977**.

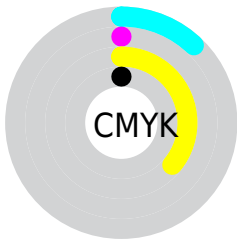
Distribution



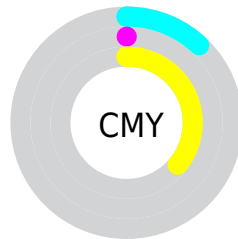
- Red (88%)
- Green (100%)
- Blue (64%)



- Red (64%)
- Yellow (100%)
- Blue (76%)



- Cyan (12%)
- Magenta (0%)
- Yellow (36%)
- Black (0%)





- Cyan (12%)
- Magenta (0%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 90.1719, 0.3467, 0.4258 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 90.1719, 0.3467, 0.4258 by changing the saturation by 10% instead.


 90.1719, 0.3467,
0.4258


 90.1719, 0.3467,
0.4258


528.5899, 0.3330,
0.3813

 68.1232, 0.3493,
0.4357


 147.5771, 0.3424,
0.4105

 49.9980, 0.3522,
0.4479


 183.7025, 0.3405,
0.4045

 35.4118, 0.3555,
0.4629


225.2889, 0.3389,
0.3994

 23.9803, 0.3590,
0.4821

272.7207, 0.3375,
0.3948

 15.3190, 0.3623,
0.5071

326.3823, 0.3362,
0.3908

 9.0436, 0.3643,
0.5403

386.6581, 0.3350,

 4.7696, 0.3680,

0.3873

0.5959

453.9325, 0.3339,
0.3842

■ 2.1127, 0.3474,
0.6526

■ 0.6718, 0.0638,
0.9362

■ 90.1719, 0.3467,
0.4258

■ 90.1719, 0.3467,
0.4258

■ 88.0437, 0.3546,
0.4536

■ 92.5483, 0.3377,
0.3977

■ 86.1533, 0.3610,
0.4800

■ 95.1858, 0.3282,
0.3702

■ 84.4870, 0.3654,
0.5036

■ 98.0940, 0.3185,
0.3441

■ 83.0298, 0.3673,
0.5233

100.0000, 0.3127,
0.3290

■ 81.7642, 0.3666,
0.5381

■ 80.6692, 0.3635,
0.5479

■ 80.2747, 0.3619,
0.5508

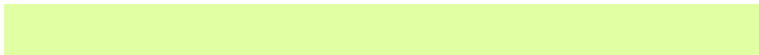
Harmonies

Analogous

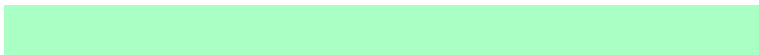
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



90.1719, 0.3922, 0.4143



90.1719, 0.3467, 0.4258



90.1719, 0.2943, 0.4052

Triad

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



90.1719, 0.3467, 0.4258



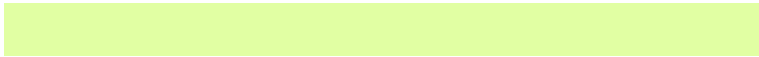
90.1719, 0.2175, 0.2652



90.1719, 0.3773, 0.2996

Complementary

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



90.1719, 0.3467, 0.4258



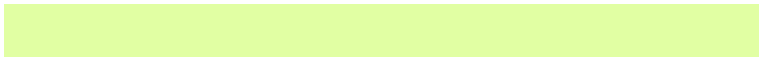
44.7452, 0.2679, 0.2256

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.



90.1719, 0.3247, 0.2669



90.1719, 0.3467, 0.4258



90.1719, 0.2350, 0.2463

Square

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



90.1719, 0.3467, 0.4258



90.1719, 0.2222, 0.3047



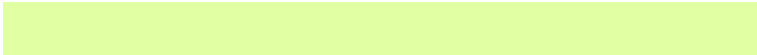
90.1719, 0.2728, 0.2478



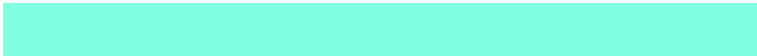
90.1719, 0.4123, 0.3401

Rectangle

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



90.1719, 0.3467, 0.4258



90.1719, 0.2626, 0.3753



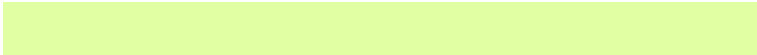
90.1719, 0.2728, 0.2478



90.1719, 0.3608, 0.2875

Sweetspot

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



90.1713, 0.3467, 0.4258



96.6298, 0.3233, 0.3567



61.6576, 0.3893, 0.3597



20.5988, 0.3246, 0.3603



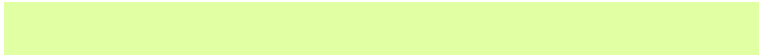
0.0000, 0.0000, 0.0000



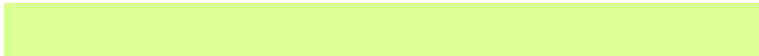
21.4041, 0.3127, 0.3290

Same Dimension

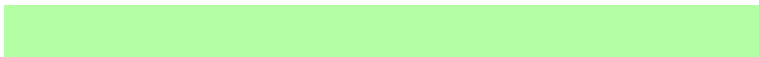
The Same Dimension uses a secret algorithm to generate beautiful new colors.



90.1713, 0.3467, 0.4258



88.6739, 0.3523, 0.4451



83.8498, 0.3175, 0.4353



20.7766, 0.3218, 0.3528



42.0296, 0.3628, 0.5501



4.1515, 0.3694, 0.5449

Inverse Universe

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



44.7452, 0.2679, 0.2256



37.4139, 0.2570, 0.2033



51.6093, 0.3032, 0.2355



17.6653, 0.3030, 0.3048



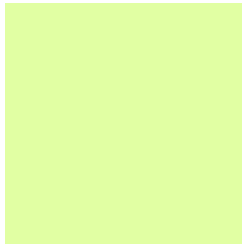
4.8083, 0.1733, 0.0728



0.5244, 0.1854, 0.0795

Previews

White Background



This preview shows how the Yxy color 90.1719, 0.3467, 0.4258 looks on a white background.

Color Contrast Check

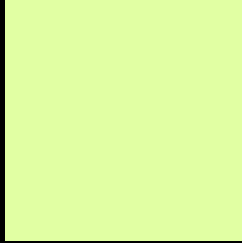
Large Text (above 18pt) WCAG AA × Fail

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 90.1719, 0.3467, 0.4258 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

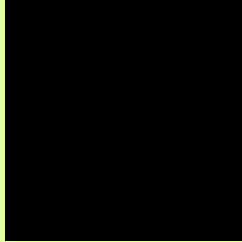
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

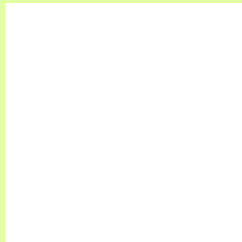
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 90.1719, 0.3467, 0.4258

Background



This preview shows how black text looks on a background with the Yxy color 90.1719, 0.3467, 0.4258.

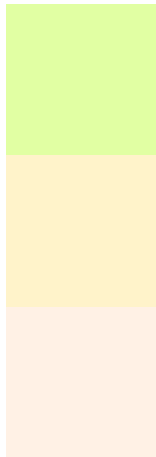


This preview shows how white text looks on a background with the Yxy color 90.1719, 0.3467, 0.4258.

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

90.1719, 0.3467, 0.4258

Protanopia

89.6255, 0.3464, 0.3699

Deuteranopia

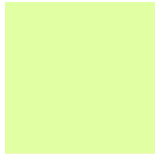
89.8277, 0.3295, 0.3408



Tritanopia

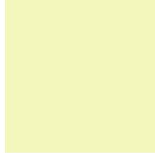
89.8464, 0.3037, 0.3171

Trichromacy



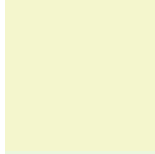
Original Color

90.1719, 0.3467, 0.4258



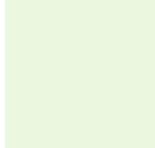
Protanomaly

89.3855, 0.3468, 0.3892



Deuteranomaly

89.5524, 0.3364, 0.3707



Tritanomaly

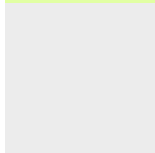
89.4576, 0.3199, 0.3546

Monochromacy



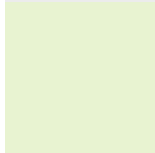
Original Color

90.1719, 0.3467, 0.4258



Achromatopsia

83.8799, 0.3127, 0.3290



Achromatomaly

85.8604, 0.3262, 0.3645

CSS Examples

Text

The CSS property to change the color of the text to Yxy 90.1719, 0.3467, 0.4258 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, 163)` looks like.

```
.text, #text, p{  
    color:rgb(225, 255, 163)  
}
```

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, 163) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(225, 255, 163) }
```

Border

The CSS property to change the border of an element to Yxy 90.1719, 0.3467, 0.4258 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, 163) }
```

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

```
.border{ border-color:rgb(225, 255, 163) }
```

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, 163) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(225, 255, 163); -webkit-box-  
shadow:4px 4px 4px 4px rgb(225, 255, 163);  
box-shadow:4px 4px 4px 4px rgb(225, 255,  
163) }
```


Background

The CSS property to change the background color of an element to Yxy 90.1719, 0.3467, 0.4258 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, 163) }
```

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

```
.background{ background-color: rgb(225,  
255, 163) }
```

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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