

Converting Colors

$Y_{xy}(89.7215, 0.3517, 0.4360)$

Have a look what the booklet for
Yxy(89.7215, 0.3517, 0.4360)
contains.

Yxy(89.6672, 0.3515, 0.4362)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(89.6672, 0.3515, 0.4362)

Conversions

Conversions Part 1

Format	Color
Hex	E0FF99
RGB	224, 255, 153
RGB Percent	88%, 100%, 60%
CMY	0.1215, 0.0000, 0.3999
CMYK	0.12, 0.00, 0.40, 0.00
HSL	78°, 100%, 80%
HSV	78°, 40%, 100%
XYZ	72.2559, 89.6672, 43.6413
YIQ	234.1030, 14.2660, -38.2940

Conversions

Conversions Part 2

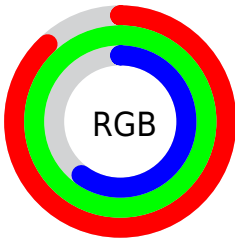
Format	Color
RYB	153, 255, 184
Decimal	14745497
CIELab	95.86, -25.82, 45.40
CIElCh	96, 52.226, 119.625
Yxy	89.6672, 0.3515, 0.4362
Android (android.graphics.Color)	4292935577 (0xFFE0FF99)
YUV	234.1030, -39.9838, -8.8603
Hunter-Lab	94.6928, -29.5068, 38.9598

Details

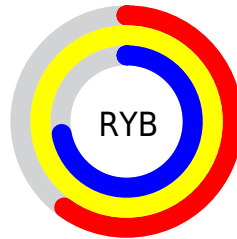
The Yxy color $89.6672, 0.3515, 0.4362$ is a light color, and the websafe version is hex `CCFF99`. A complement of this color would be $40.1968, 0.2601, 0.2125$, and the grayscale version is $82.6677, 0.3127, 0.3290$.

A 20% lighter version of the original color is $97.3834, 0.3400, 0.3741$, and $49.5238, 0.3573, 0.4605$ is the 20% darker color. If you saturate the color by 10%, you get $87.7067, 0.3593, 0.4632$, and if you desaturate by 10%, it is $91.8719, 0.3425, 0.4083$.

Distribution



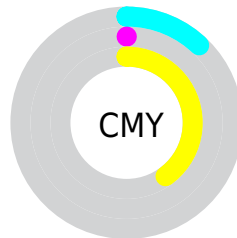
- Red (88%)
- Green (100%)
- Blue (60%)



- Red (60%)
- Yellow (100%)
- Blue (72%)



- Cyan (12%)
- Magenta (0%)
- Yellow (40%)
- Black (0%)




- Cyan (12%)
- Magenta (0%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 89.6672, 0.3515, 0.4362 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 89.6672, 0.3515, 0.4362 by changing the saturation by 10% instead.


 89.6672, 0.3515,
0.4362


 89.6672, 0.3515,
0.4362


526.9477, 0.3360,
0.3870

 67.7047, 0.3544,
0.4472


 146.8760, 0.3467,
0.4193

 49.6575, 0.3575,
0.4605


 182.8911, 0.3446,
0.4127

 35.1413, 0.3609,
0.4770


224.3592, 0.3428,
0.4069

 23.7718, 0.3644,
0.4978

271.6646, 0.3412,
0.4019

 15.1644, 0.3673,
0.5245

325.1917, 0.3397,
0.3975

 8.9348, 0.3679,
0.5594

385.3250, 0.3383,

 4.6987, 0.3742,

0.3936

0.6258

452.4489, 0.3371,
0.3901

■ 2.0716, 0.3373,
0.6627

■ 0.6486, 0.0000,
1.0000

■ 89.6672, 0.3515,
0.4362

■ 89.6672, 0.3515,
0.4362

■ 87.7067, 0.3593,
0.4632

■ 91.8719, 0.3425,
0.4083

■ 85.9664, 0.3653,
0.4883

■ 94.3205, 0.3327,
0.3807

■ 84.4366, 0.3691,
0.5100

■ 97.0272, 0.3227,
0.3541

■ 83.1016, 0.3704,
0.5274

100.0000, 0.3127,
0.3290

■ 81.9431, 0.3691,
0.5399

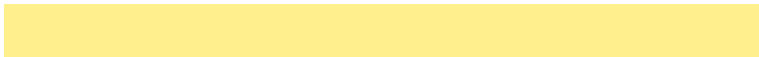
■ 80.9315, 0.3657,
0.5479

■ 80.9309, 0.3657,
0.5479

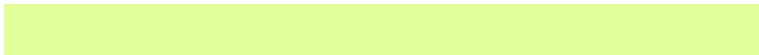
Harmonies

Analogous

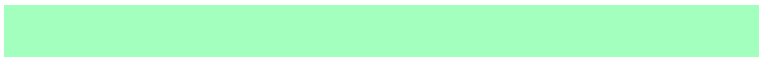
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.6672, 0.4011, 0.4211



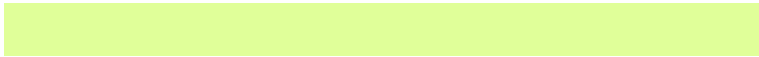
89.6672, 0.3515, 0.4362



89.6672, 0.2941, 0.4153

Triad

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



89.6672, 0.3515, 0.4362



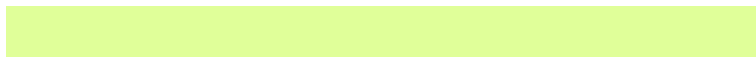
89.6672, 0.2087, 0.2600



89.6672, 0.3819, 0.2951

Complementary

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



89.6672, 0.3515, 0.4362



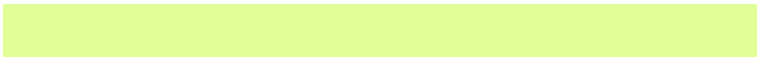
40.1968, 0.2601, 0.2125

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.



89.6672, 0.3234, 0.2602



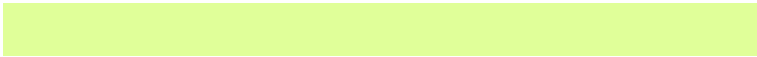
89.6672, 0.3515, 0.4362



89.6672, 0.2267, 0.2391

Square

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



89.6672, 0.3515, 0.4362



89.6672, 0.2145, 0.3036



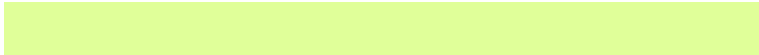
89.6672, 0.2669, 0.2401



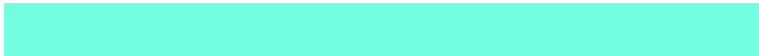
89.6672, 0.4217, 0.3387

Rectangle

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



89.6672, 0.3515, 0.4362



89.6672, 0.2592, 0.3824



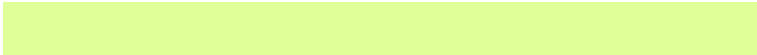
89.6672, 0.2669, 0.2401



89.6672, 0.3634, 0.2822

Sweetspot

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



89.6711, 0.3515, 0.4362



96.4631, 0.3247, 0.3593



57.6797, 0.4012, 0.3613



20.5697, 0.3260, 0.3628



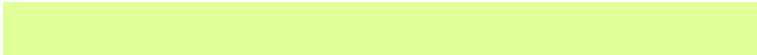
0.0000, 0.0000, 0.0000



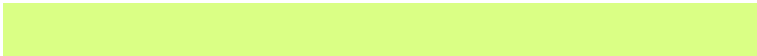
21.4041, 0.3127, 0.3290

Same Dimension

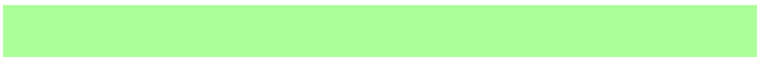
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.6711, 0.3515, 0.4362



88.0801, 0.3579, 0.4580



82.7517, 0.3187, 0.4483



20.7976, 0.3222, 0.3528



42.3700, 0.3665, 0.5472



4.1827, 0.3727, 0.5423

Inverse Universe

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



40.1968, 0.2601, 0.2125



32.4073, 0.2467, 0.1863



47.6019, 0.3004, 0.2249



17.6452, 0.3026, 0.3048



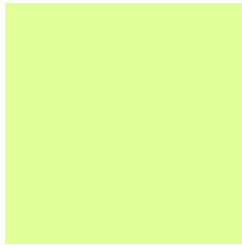
4.6749, 0.1704, 0.0713



0.5095, 0.1822, 0.0778

Previews

White Background



This preview shows how the Yxy color 89.6672, 0.3515, 0.4362 looks on a white background.

Color Contrast Check

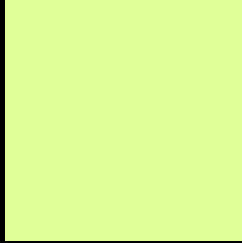
Large Text (above 18pt) WCAG AA × Fail

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 89.6672, 0.3515, 0.4362 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

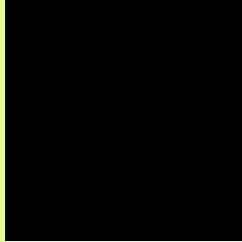
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 89.6672, 0.3515, 0.4362

Background



This preview shows how black text looks on a background with the Yxy color 89.6672, 0.3515, 0.4362.

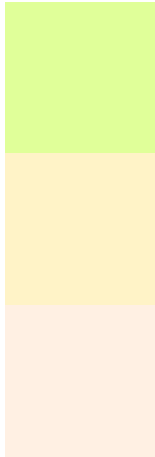


This preview shows how white text looks on a background with the Yxy color 89.6672, 0.3515, 0.4362.

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

89.6672, 0.3515, 0.4362

Protanopia

89.4847, 0.3484, 0.3729

Deuteranopia

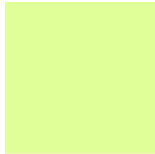
89.1262, 0.3309, 0.3418



Tritanopia

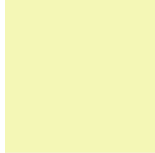
89.2495, 0.3037, 0.3161

Trichromacy



Original Color

89.6672, 0.3515, 0.4362



Protanomaly

89.1320, 0.3505, 0.3954



Deuteranomaly

88.7080, 0.3397, 0.3749



Tritanomaly

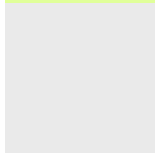
89.0759, 0.3217, 0.3588

Monochromacy



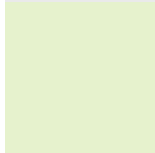
Original Color

89.6672, 0.3515, 0.4362



Achromatopsia

82.2786, 0.3127, 0.3290



Achromatomaly

84.7350, 0.3274, 0.3680

CSS Examples

Text

The CSS property to change the color of the text to Yxy 89.6672, 0.3515, 0.4362 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, 153)` looks like.

```
.text, #text, p{  
    color:rgb(224, 255, 153)  
}
```

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, 153) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(224, 255, 153) }
```

Border

The CSS property to change the border of an element to Yxy 89.6672, 0.3515, 0.4362 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, 153) }
```

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

```
.border{ border-color:rgb(224, 255, 153) }
```

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, 153) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(224, 255, 153); -webkit-box-  
shadow:4px 4px 4px 4px rgb(224, 255, 153);  
box-shadow:4px 4px 4px 4px rgb(224, 255,  
153) }
```


Background

The CSS property to change the background color of an element to Yxy 89.6672, 0.3515, 0.4362 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, 153) }
```

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

```
.background{ background-color: rgb(224,  
255, 153) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor