

Converting Colors

$Yxy(73.6250, 0.3342, 0.4670)$

Have a look what the booklet for
Yxy(73.6250, 0.3342, 0.4670)
contains.

Yxy(73.3271, 0.3339, 0.4661)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(73.3271, 0.3339, 0.4661)

Conversions

Conversions Part 1

Format	Color
Hex	ADF17F
RGB	173, 241, 127
RGB Percent	68%, 95%, 50%
CMY	0.3213, 0.0549, 0.5019
CMYK	0.28, 0.00, 0.47, 0.05
HSL	96°, 80%, 72%
HSV	96°, 47%, 95%
XYZ	52.5293, 73.3271, 31.4641
YIQ	207.6720, -3.9340, -49.8700

Conversions

Conversions Part 2

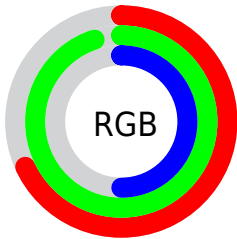
Format	Color
RYB	127, 241, 195
Decimal	11399551
CIELab	88.60, -40.56, 48.13
CIElCh	89, 62.935, 130.121
Yxy	73.3271, 0.3339, 0.4661
Android (android.graphics.Color)	4289589631 (0xFFADF17F)
YUV	207.6720, -39.7713, -30.4073
Hunter-Lab	85.6312, -40.3563, 38.1565

Details

The Yxy color **73.3271, 0.3339, 0.4661** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **33.1244, 0.2764, 0.1992**, and the grayscale version is **63.1265, 0.3127, 0.3290**.

A 20% lighter version of the original color is **91.8863, 0.3400, 0.4048**, and **38.9878, 0.3338, 0.5014** is the 20% darker color. If you saturate the color by 10%, you get **71.2242, 0.3357, 0.4968**, and if you desaturate by 10%, it is **75.7627, 0.3307, 0.4346**.

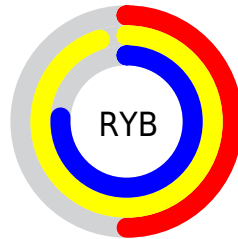
Distribution



Red (68%)

Green (95%)

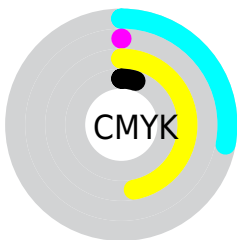
Blue (50%)



Red (50%)

Yellow (95%)

Blue (76%)

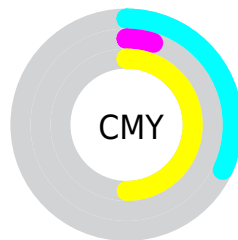


Cyan (28%)

Magenta (0%)

Yellow (47%)

Black (5%)



Cyan (32%)


Magenta (5%)


Yellow (50%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.3271, 0.3339, 0.4661 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 73.3271, 0.3339, 0.4661 by changing the saturation by 10% instead.


 73.3271, 0.3339,
0.4661


 73.3271, 0.3339,
0.4661


472.1477, 0.3272,
0.3994

 54.2435, 0.3344,
0.4818


 123.9415, 0.3323,
0.4425

 38.7963, 0.3345,
0.5013


 156.2410, 0.3315,
0.4335

 26.6013, 0.3336,
0.5260


 193.7146, 0.3307,
0.4257

 17.2740, 0.3307,
0.5580

236.7467, 0.3299,
0.4190

 10.4301, 0.3235,
0.6002

285.7216, 0.3292,
0.4132

 5.6850, 0.3152,
0.6750


341.0239, 0.3285,

 2.6545, 0.2684,


0.4081


0.7316


403.0378, 0.3278,
0.4035

 0.9541, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 73.3271, 0.3339,
0.4661


 73.3271, 0.3339,
0.4661

 71.2242, 0.3357,
0.4968


 75.7627, 0.3307,
0.4346


 69.4280, 0.3358,
0.5249


 78.5365, 0.3265,
0.4037


 67.9235, 0.3340,
0.5488


 81.6658, 0.3217,
0.3744


 66.6900, 0.3302,
0.5669

 85.1637, 0.3165,
0.3473

 65.7021, 0.3249,
0.5788

 89.0428, 0.3113,
0.3226

 65.4685, 0.3234,
0.5814

 91.3869, 0.3133,
0.3156

Harmonies

Analogous

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



73.3271, 0.4028, 0.4566



73.3271, 0.3339, 0.4661



73.3271, 0.2631, 0.4222

Triad

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



73.3271, 0.3339, 0.4661



73.3271, 0.1879, 0.2287



73.3271, 0.4239, 0.3031

Complementary

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



73.3271, 0.3339, 0.4661



33.1244, 0.2764, 0.1992

Split Complementary

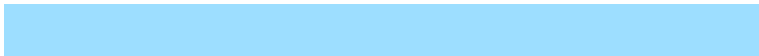
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.3271, 0.3528, 0.2564



73.3271, 0.3339, 0.4661



73.3271, 0.2192, 0.2145

Square

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



73.3271, 0.3339, 0.4661



73.3271, 0.1842, 0.2719



73.3271, 0.2769, 0.2250



73.3271, 0.4609, 0.3577

Rectangle

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



73.3271, 0.3339, 0.4661



73.3271, 0.2245, 0.3708



73.3271, 0.2769, 0.2250



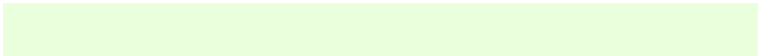
73.3271, 0.4027, 0.2863

Sweetspot

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



73.3303, 0.3339, 0.4661



94.0960, 0.3200, 0.3653



58.5927, 0.4057, 0.4009



19.9618, 0.3211, 0.3713



0.0000, 0.0000, 0.0000



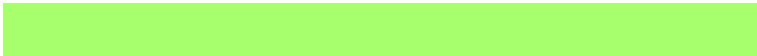
21.4041, 0.3127, 0.3290

Same Dimension

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



73.3303, 0.3339, 0.4661



81.0042, 0.3357, 0.4964



69.2112, 0.3012, 0.4664



17.9680, 0.3177, 0.3530



35.5780, 0.3246, 0.5805



3.0163, 0.3349, 0.5723

Inverse Universe

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



33.1244, 0.2764, 0.1992



30.0692, 0.2661, 0.1724



39.6771, 0.3268, 0.2222



15.6945, 0.3073, 0.3053



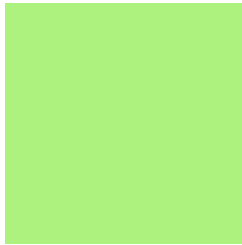
6.7219, 0.2223, 0.0998



0.6170, 0.2350, 0.1068

Previews

White Background



This preview shows how the Yxy color 73.3271, 0.3339, 0.4661 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 73.3271, 0.3339, 0.4661 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 73.3271, 0.3339, 0.4661

Background



This preview shows how black text looks on a background with the Yxy color 73.3271, 0.3339, 0.4661.



This preview shows how white text looks on a background with the Yxy color 73.3271, 0.3339, 0.4661.

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

73.3271, 0.3339, 0.4661

Protanopia

72.8317, 0.3978, 0.4336

Deuteranopia

72.6509, 0.3778, 0.3785



Tritanopia

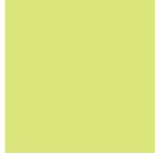
73.2170, 0.2780, 0.3090

Trichromacy



Original Color

73.3271, 0.3339, 0.4661



Protanomaly

72.3741, 0.3726, 0.4456



Deuteranomaly

71.5859, 0.3618, 0.4087



Tritanomaly

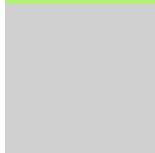
72.7800, 0.2986, 0.3641

Monochromacy



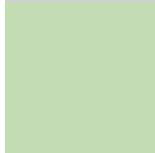
Original Color

73.3271, 0.3339, 0.4661



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

66.0432, 0.3219, 0.3780

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.3271, 0.3339, 0.4661 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(173, 241, 127)` looks like.

```
.text, #text, p{  
    color:rgb(173, 241, 127)  
}
```

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(173, 241, 127) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(173, 241, 127) }
```

Border

The CSS property to change the border of an element to Yxy 73.3271, 0.3339, 0.4661 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(173, 241, 127) }
```

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

```
.border{ border-color:rgb(173, 241, 127) }
```

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

Here you see how a box with a 4 pixel rgb(173, 241, 127) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(173, 241, 127); -webkit-box-  
shadow:4px 4px 4px 4px rgb(173, 241, 127);  
box-shadow:4px 4px 4px 4px rgb(173, 241,  
127) }
```


Background

The CSS property to change the background color of an element to Yxy 73.3271, 0.3339, 0.4661 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(173, 241, 127) }
```

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

```
.background{ background-color: rgb(173,  
241, 127) }
```

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