

Converting Colors

$Yxy(73.7353, 0.3406, 0.4213)$

Have a look what the booklet for
Yxy(73.7353, 0.3406, 0.4213)
contains.

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Color

Yxy(73.7353, 0.3406, 0.4213)

Conversions

Conversions Part 1

Format	Color
Hex	CAEA9A
RGB	202, 234, 154
RGB Percent	79%, 92%, 60%
CMY	0.2079, 0.0823, 0.3960
CMYK	0.14, 0.00, 0.34, 0.08
HSL	84°, 66%, 76%
HSV	84°, 34%, 92%
XYZ	59.6113, 73.7353, 41.6719
YIQ	215.3120, 6.6080, -31.6640

Conversions

Conversions Part 2

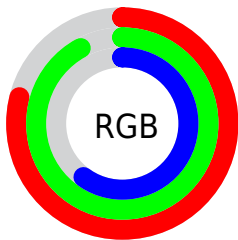
Format	Color
RYB	154, 234, 186
Decimal	13298330
CIELab	88.80, -23.72, 35.48
CIELCh	89, 42.677, 123.770
Yxy	73.7353, 0.3406, 0.4213
Android (android.graphics.Color)	4291488410 (0xFFCAEA9A)
YUV	215.3120, -30.2268, -11.6746
Hunter-Lab	85.8693, -26.3547, 31.3354

Details

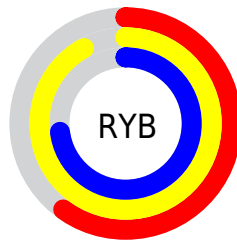
The Yxy color **73.7353, 0.3406, 0.4213** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **39.5050, 0.2759, 0.2335**, and the grayscale version is **68.3845, 0.3127, 0.3290**.

A 20% lighter version of the original color is **97.3834, 0.3400, 0.3741**, and **39.0031, 0.3455, 0.4440** is the 20% darker color. If you saturate the color by 10%, you get **71.7658, 0.3474, 0.4501**, and if you desaturate by 10%, it is **75.9426, 0.3328, 0.3927**.

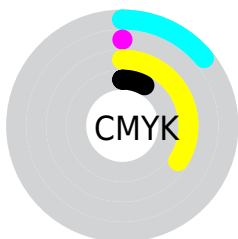
Distribution



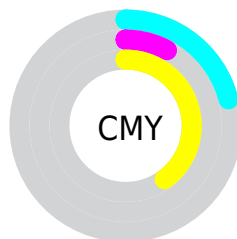
- Red (79%)
- Green (92%)
- Blue (60%)



- Red (60%)
- Yellow (92%)
- Blue (73%)



- Cyan (14%)
- Magenta (0%)
- Yellow (34%)
- Black (8%)





- Cyan (21%)
- Magenta (8%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 73.7353, 0.3406, 0.4213 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 73.7353, 0.3406, 0.4213 by changing the saturation by 10% instead.


 73.7353, 0.3406,
0.4213


 73.7353, 0.3406,
0.4213


473.5593, 0.3290,
0.3772

 54.5774, 0.3428,
0.4316


 124.5205, 0.3369,
0.4058

 39.0635, 0.3454,
0.4444


 156.9166, 0.3353,
0.3998

 26.8091, 0.3482,
0.4607


194.4943, 0.3340,
0.3947

 17.4299, 0.3511,
0.4821

237.6378, 0.3328,
0.3903

 10.5415, 0.3535,
0.5110

286.7317, 0.3317,
0.3864

 5.7594, 0.3537,
0.5514


342.1603, 0.3307,

 2.6994, 0.3619,


0.3830


0.6381

404.3081, 0.3298,
0.3799


 0.9769, 0.2619,
0.7381


 0.0000, 0.0000,
0.0000


 73.7353, 0.3406,
0.4213

 73.7353, 0.3406,
0.4213


 71.7658, 0.3474,
0.4501


 75.9426, 0.3328,
0.3927


 70.0141, 0.3529,
0.4781


 78.3876, 0.3246,
0.3651


 68.4723, 0.3564,
0.5037


 81.0823, 0.3162,
0.3392


 67.1278, 0.3577,
0.5258


 84.0351, 0.3079,
0.3153

 65.9665, 0.3565,
0.5431

 86.1783, 0.3096,
0.3085

 64.9711, 0.3530,
0.5551

 87.3300, 0.3137,
0.3088

 64.4535, 0.3502,
0.5601

Harmonies

Analogous

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



73.7353, 0.3856, 0.4134



73.7353, 0.3406, 0.4213



73.7353, 0.2902, 0.3983

Triad

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



73.7353, 0.3406, 0.4213



73.7353, 0.2216, 0.2650



73.7353, 0.3792, 0.3045

Complementary

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



73.7353, 0.3406, 0.4213



39.5050, 0.2759, 0.2335

Split Complementary

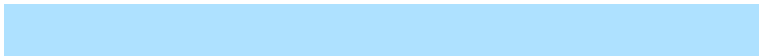
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



73.7353, 0.3297, 0.2717



73.7353, 0.3406, 0.4213



73.7353, 0.2407, 0.2486

Square

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



73.7353, 0.3406, 0.4213



73.7353, 0.2240, 0.3012



73.7353, 0.2790, 0.2517



73.7353, 0.4103, 0.3441

Rectangle

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



73.7353, 0.3406, 0.4213



73.7353, 0.2605, 0.3684



73.7353, 0.2790, 0.2517



73.7353, 0.3639, 0.2925

Sweetspot

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



73.7385, 0.3406, 0.4213



96.5800, 0.3211, 0.3542



54.9529, 0.3811, 0.3653



20.5746, 0.3223, 0.3579



0.0000, 0.0000, 0.0000



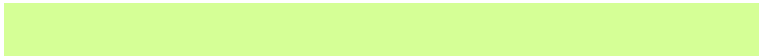
21.4041, 0.3127, 0.3290

Same Dimension

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



73.7385, 0.3406, 0.4213



87.9041, 0.3455, 0.4416



68.8677, 0.3130, 0.4297



17.3088, 0.3206, 0.3527



36.2919, 0.3512, 0.5593



2.9055, 0.3605, 0.5520

Inverse Universe

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



39.5050, 0.2759, 0.2335



40.4231, 0.2662, 0.2116



45.2304, 0.3097, 0.2425



14.8432, 0.3042, 0.3051



4.7346, 0.1847, 0.0791



0.4264, 0.2001, 0.0876

Previews

White Background



This preview shows how the Yxy color 73.7353, 0.3406, 0.4213 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 73.7353, 0.3406, 0.4213 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

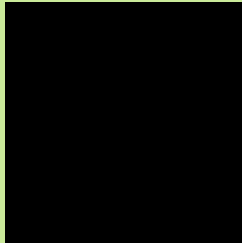
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 73.7353, 0.3406, 0.4213

Background



This preview shows how black text looks on a background with the Yxy color 73.7353, 0.3406, 0.4213.

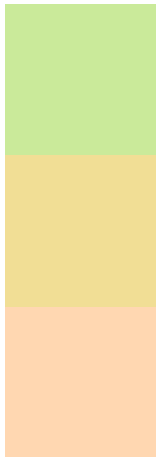


This preview shows how white text looks on a background with the Yxy color 73.7353, 0.3406, 0.4213.

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

73.7353, 0.3406, 0.4213

Protanopia

73.1133, 0.3770, 0.4064

Deuteranopia

73.0352, 0.3705, 0.3682



Tritanopia

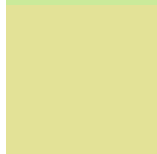
73.4224, 0.2952, 0.3096

Trichromacy



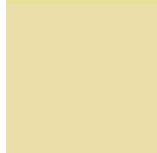
Original Color

73.7353, 0.3406, 0.4213



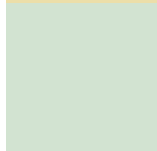
Protanomaly

72.9580, 0.3634, 0.4113



Deuteranomaly

72.9400, 0.3594, 0.3862



Tritanomaly

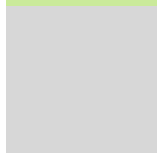
73.2433, 0.3125, 0.3491

Monochromacy



Original Color

73.7353, 0.3406, 0.4213



Achromatopsia

67.9542, 0.3127, 0.3290



Achromatomaly

69.7944, 0.3233, 0.3621

CSS Examples

Text

The CSS property to change the color of the text to Yxy 73.7353, 0.3406, 0.4213 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(202, 234, 154)` looks like.

```
.text, #text, p{  
    color:rgb(202, 234, 154)  
}
```

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(202, 234, 154) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(202, 234, 154) }
```

Border

The CSS property to change the border of an element to Yxy 73.7353, 0.3406, 0.4213 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(202, 234, 154) }
```

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

```
.border{ border-color:rgb(202, 234, 154) }
```

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

Here you see how a box with a 4 pixel `rgb(202, 234, 154)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(202, 234, 154); -webkit-box-  
shadow:4px 4px 4px 4px rgb(202, 234, 154);  
box-shadow:4px 4px 4px 4px rgb(202, 234,  
154) }
```


Background

The CSS property to change the background color of an element to Yxy 73.7353, 0.3406, 0.4213 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(202, 234, 154) }
```

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

```
.background{ background-color: rgb(202,  
234, 154) }
```

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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