

Converting Colors

$Y_{xy}(71.7253, 0.3214, 0.4375)$

Have a look what the booklet for
Yxy(71.7253, 0.3214, 0.4375)
contains.

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Color

Yxy(71.9769, 0.3213, 0.4380)

Conversions

Conversions Part 1

Format	Color
Hex	ABEE95
RGB	171, 238, 149
RGB Percent	67%, 93%, 58%
CMY	0.3293, 0.0667, 0.4156
CMYK	0.28, 0.00, 0.37, 0.07
HSL	105°, 72%, 76%
HSV	105°, 37%, 93%
XYZ	52.7995, 71.9769, 39.5544
YIQ	207.8210, -11.3630, -41.8830

Conversions

Conversions Part 2

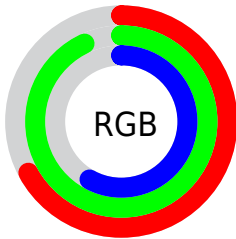
Format	Color
RYB	149, 238, 216
Decimal	11267733
CIELab	87.96, -37.07, 36.53
CIElCh	88, 52.044, 135.418
Yxy	71.9769, 0.3213, 0.4380
Android (android.graphics.Color)	4289457813 (0xFFABEE95)
YUV	207.8210, -28.9988, -32.2920
Hunter-Lab	84.8392, -37.3795, 31.7448

Details

The Yxy color **71.9769, 0.3213, 0.4380** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **42.2758, 0.2979, 0.2311**, and the grayscale version is **63.1575, 0.3127, 0.3290**.

A 20% lighter version of the original color is **92.3736, 0.3252, 0.3820**, and **38.0320, 0.3205, 0.4673** is the 20% darker color. If you saturate the color by 10%, you get **69.4179, 0.3222, 0.4715**, and if you desaturate by 10%, it is **74.9701, 0.3196, 0.4056**.

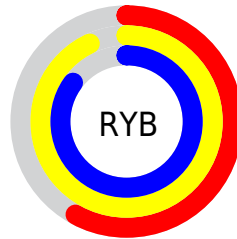
Distribution



Red (67%)

Green (93%)

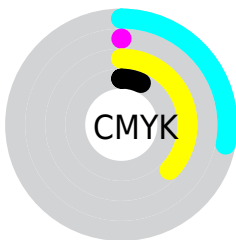
Blue (58%)



Red (58%)

Yellow (93%)

Blue (85%)

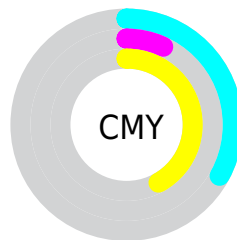


Cyan (28%)

Magenta (0%)

Yellow (37%)

Black (7%)



Cyan (33%)


Magenta (7%)

Yellow (42%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.9769, 0.3213, 0.4380 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 71.9769, 0.3213, 0.4380 by changing the saturation by 10% instead.

 71.9769, 0.3213,
0.4380


 71.9769, 0.3213,
0.4380


467.4612, 0.3192,
0.3847

 53.1398, 0.3212,
0.4508


 122.0237, 0.3210,
0.4190

 37.9144, 0.3208,
0.4668

 154.0022, 0.3207,
0.4118

 25.9163, 0.3198,
0.4875


191.1299, 0.3205,
0.4056

 16.7610, 0.3174,
0.5150

233.7913, 0.3202,
0.4003

 10.0642, 0.3122,
0.5529

282.3707, 0.3199,
0.3956

 5.4416, 0.3008,
0.6081


337.2526, 0.3197,

 2.5086, 0.2836,


0.3916

0.7164


398.8213, 0.3194,
0.3880


 0.8809, 0.0000,
1.0000


 0.0000, 0.0000,
0.0000


 71.9769, 0.3213,
0.4380


 71.9769, 0.3213,
0.4380

 69.4179, 0.3222,
0.4715


 74.9701, 0.3196,
0.4056


 67.2634, 0.3222,
0.5043

 78.4073, 0.3173,
0.3752

 65.4944, 0.3209,
0.5346

 82.3093, 0.3147,
0.3476

 64.0863, 0.3183,
0.5601

 86.6930, 0.3120,
0.3228

■ 63.0115, 0.3146,
0.5789

■ 89.6284, 0.3135,
0.3127

■ 62.2364, 0.3102,
0.5905

■ 62.0734, 0.3091,
0.5928

Harmonies

Analogous

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



71.9769, 0.3808, 0.4402



71.9769, 0.3213, 0.4380



71.9769, 0.2625, 0.3950

Triad

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



71.9769, 0.3213, 0.4380



71.9769, 0.2091, 0.2405



71.9769, 0.4132, 0.3162

Complementary

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



71.9769, 0.3213, 0.4380



42.2758, 0.2979, 0.2311

Split Complementary

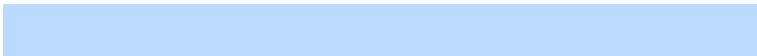
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



71.9769, 0.3581, 0.2737



71.9769, 0.3213, 0.4380



71.9769, 0.2408, 0.2313

Square

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



71.9769, 0.3213, 0.4380



71.9769, 0.2018, 0.2740



71.9769, 0.2938, 0.2436



71.9769, 0.4379, 0.3642

Rectangle

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



71.9769, 0.3213, 0.4380



71.9769, 0.2316, 0.3523



71.9769, 0.2938, 0.2436



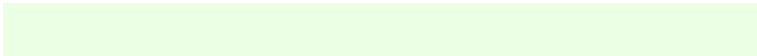
71.9769, 0.3973, 0.3011

Sweetspot

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



71.9800, 0.3213, 0.4380



94.5363, 0.3157, 0.3574



69.3346, 0.3770, 0.4010



20.1007, 0.3161, 0.3611



0.0000, 0.0000, 0.0000



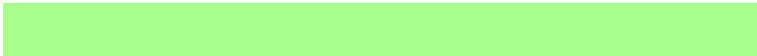
21.4041, 0.3127, 0.3290

Same Dimension

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



71.9800, 0.3213, 0.4380



81.8140, 0.3221, 0.4640



70.4912, 0.2954, 0.4135



17.8451, 0.3153, 0.3531



34.6819, 0.3100, 0.5921



2.9304, 0.3190, 0.5849

Inverse Universe

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



42.2758, 0.2979, 0.2311



42.3199, 0.2936, 0.2105



44.6259, 0.3368, 0.2575



15.8232, 0.3098, 0.3054



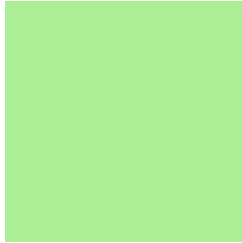
8.8648, 0.2591, 0.1201



0.7836, 0.2676, 0.1248

Previews

White Background



This preview shows how the Yxy color 71.9769, 0.3213, 0.4380 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 71.9769, 0.3213, 0.4380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

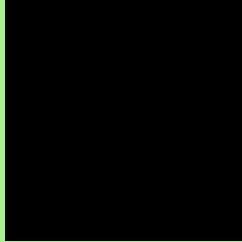
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.9769, 0.3213, 0.4380

Background



This preview shows how black text looks on a background with the Yxy color 71.9769, 0.3213, 0.4380.



This preview shows how white text looks on a background with the Yxy color 71.9769, 0.3213, 0.4380.

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

71.9769, 0.3213, 0.4380

Protanopia

71.4901, 0.3809, 0.4121

Deuteranopia

71.1741, 0.3781, 0.3746



Tritanopia

71.5501, 0.2760, 0.3077

Trichromacy



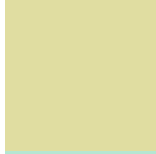
Original Color

71.9769, 0.3213, 0.4380



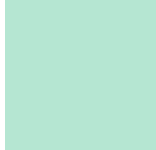
Protanomaly

71.2786, 0.3570, 0.4219



Deuteranomaly

70.1334, 0.3559, 0.3960



Tritanomaly

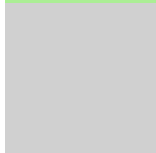
71.0705, 0.2925, 0.3525

Monochromacy



Original Color

71.9769, 0.3213, 0.4380



Achromatopsia

63.0757, 0.3127, 0.3290



Achromatomaly

65.8530, 0.3167, 0.3671

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9769, 0.3213, 0.4380 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(171, 238, 149)` looks like.

```
.text, #text, p{  
    color:rgb(171, 238, 149)  
}
```

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(171, 238, 149) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 238, 149) }
```

Border

The CSS property to change the border of an element to Yxy 71.9769, 0.3213, 0.4380 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(171, 238, 149) }
```

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

```
.border{ border-color:rgb(171, 238, 149) }
```

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

Here you see how a box with a 4 pixel `rgb(171, 238, 149)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 238, 149); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 238, 149); box-shadow:4px 4px 4px 4px rgb(171, 238, 149) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9769, 0.3213, 0.4380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(171, 238, 149) }
```

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

```
.background{ background-color: rgb(171,  
238, 149) }
```

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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