

Converting Colors

$Yxy(72.8372, 0.3096, 0.4124)$

Have a look what the booklet for
Yxy(72.8372, 0.3096, 0.4124)
contains.

| | |
|--|----|
| Yxy(72.7093, 0.3095, 0.4119) | 3 |
| <i>Conversions</i> | 4 |
| <i>Details</i> | 6 |
| <i>Harmonies</i> | 12 |
| <i>Previews</i> | 24 |
| <i>Color Blindness Simulation</i> | 27 |
| <i>CSS Examples</i> | 30 |

Color

Yxy(72.7093, 0.3095, 0.4119)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | ABEEAA |
| RGB | 171, 238, 170 |
| RGB Percent | 67%, 93%, 67% |
| CMY | 0.3292, 0.0667, 0.3334 |
| CMYK | 0.28, 0.00, 0.29, 0.07 |
| HSL | 119°, 67%, 80% |
| HSV | 119°, 29%, 93% |
| XYZ | 54.6335, 72.7093, 49.1790 |
| YIQ | 210.2150, -18.1040, -35.3520 |

Conversions

Conversions Part 2

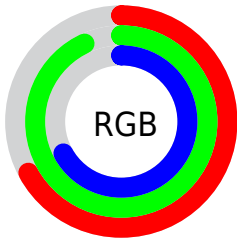
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 170, 238, 237 |
| Decimal | 11267754 |
| CIELab | 88.31, -33.88, 26.39 |
| CIELCh | 88, 42.945, 142.081 |
| Yxy | 72.7093, 0.3095, 0.4119 |
| Android (android.graphics.Color) | 4289457834 (0xFFABEEAA) |
| YUV | 210.2150, -19.8260, -34.3916 |
| Hunter-Lab | 85.2697, -34.8547, 25.4936 |

Details

The Yxy color **72.7093, 0.3095, 0.4119** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **52.9099, 0.3152, 0.2577**, and the grayscale version is **64.7478, 0.3127, 0.3290**.

A 20% lighter version of the original color is **93.5050, 0.3126, 0.3587**, and **38.5222, 0.3078, 0.4347** is the 20% darker color. If you saturate the color by 10%, you get **69.4890, 0.3080, 0.4467**, and if you desaturate by 10%, it is **76.5650, 0.3108, 0.3798**.

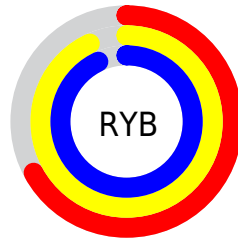
Distribution



Red (67%)

Green (93%)

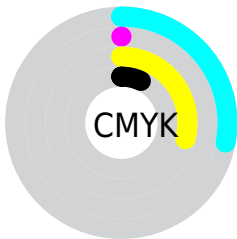
Blue (67%)



Red (67%)

Yellow (93%)

Blue (93%)

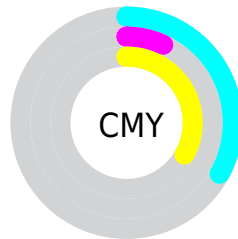


Cyan (28%)

Magenta (0%)

Yellow (29%)

Black (7%)



Cyan (33%)


Magenta (7%)

Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.7093, 0.3095, 0.4119 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 72.7093, 0.3095, 0.4119 by changing the saturation by 10% instead.


 72.7093, 0.3095,
0.4119

 72.7093, 0.3095,
0.4119

470.0067, 0.3121,
0.3716

 53.7383, 0.3086,
0.4216


 123.0644, 0.3106,
0.3975

 38.3925, 0.3074,
0.4337


155.2174, 0.3110,
0.3921

 26.2874, 0.3055,
0.4495


192.5330, 0.3113,
0.3874

 17.0388, 0.3026,
0.4707

235.3959, 0.3115,
0.3834

 10.2622, 0.2976,
0.5005

284.1903, 0.3117,
0.3799

 5.5731, 0.2884,
0.5451


339.3006, 0.3118,

 2.5873, 0.2764,


0.3768


0.6348


401.1113, 0.3120,
0.3741


 0.9203, 0.0488,
0.9512


 0.0000, 0.0000,
0.0000


 72.7093, 0.3095,
0.4119


 72.7093, 0.3095,
0.4119


 69.4890, 0.3080,
0.4467


 76.5650, 0.3108,
0.3798


 66.8614, 0.3065,
0.4827

 81.0778, 0.3119,
0.3509

 64.7932, 0.3048,
0.5178

 86.2797, 0.3128,
0.3256

 63.2438, 0.3033,
0.5492

 89.6258, 0.3135,
0.3127

■ 62.1672, 0.3019,
0.5742

■ 61.5096, 0.3009,
0.5909

■ 61.1989, 0.3003,
0.5990

■ 61.1699, 0.3002,
0.5998

Harmonies

Analogous

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



72.7093, 0.3600, 0.4227



72.7093, 0.3095, 0.4119



72.7093, 0.2622, 0.3717

Triad

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



72.7093, 0.3095, 0.4119



72.7093, 0.2300, 0.2518



72.7093, 0.4023, 0.3282

Complementary

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



72.7093, 0.3095, 0.4119



52.9099, 0.3152, 0.2577

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.



72.7093, 0.3617, 0.2902



72.7093, 0.3095, 0.4119



72.7093, 0.2615, 0.2475

Square

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



72.7093, 0.3095, 0.4119



72.7093, 0.2190, 0.2762



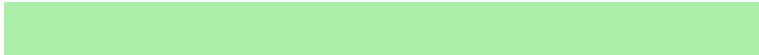
72.7093, 0.3091, 0.2615



72.7093, 0.4162, 0.3690

Rectangle

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



72.7093, 0.3095, 0.4119



72.7093, 0.2386, 0.3369



72.7093, 0.3091, 0.2615



72.7093, 0.3912, 0.3149

Sweetspot

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



72.7124, 0.3095, 0.4119



94.5737, 0.3119, 0.3522



81.5659, 0.3562, 0.3993



20.0682, 0.3117, 0.3562



0.0000, 0.0000, 0.0000



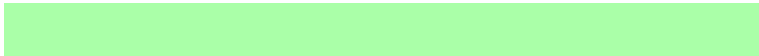
21.4041, 0.3127, 0.3290

Same Dimension

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



72.7124, 0.3095, 0.4119



82.8671, 0.3087, 0.4310



73.9958, 0.2902, 0.3708



17.6682, 0.3118, 0.3534



34.1337, 0.3003, 0.5997



2.8437, 0.3012, 0.5990

Inverse Universe

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



52.9099, 0.3152, 0.2577



56.3383, 0.3156, 0.2441



51.3357, 0.3436, 0.2908



16.0180, 0.3136, 0.3057



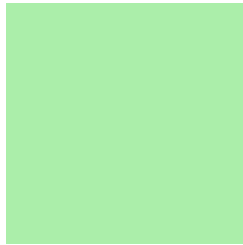
13.2327, 0.3170, 0.1520



1.1049, 0.3176, 0.1523

Previews

White Background



This preview shows how the Yxy color 72.7093, 0.3095, 0.4119 looks on a white background.

Color Contrast Check

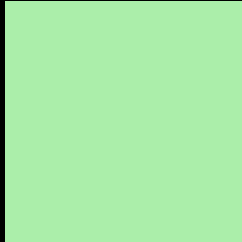
Large Text (above 18pt) WCAG AA × Fail

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 72.7093, 0.3095, 0.4119 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

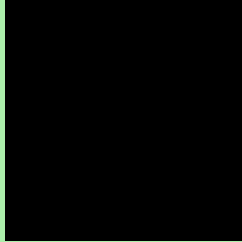
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.7093, 0.3095, 0.4119

Background



This preview shows how black text looks on a background with the Yxy color 72.7093, 0.3095, 0.4119.

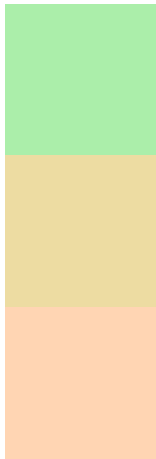


This preview shows how white text looks on a background with the Yxy color 72.7093, 0.3095, 0.4119.

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

72.7093, 0.3095, 0.4119

Protanopia

71.7996, 0.3656, 0.3916

Deuteranopia

72.1032, 0.3696, 0.3642



Tritanopia

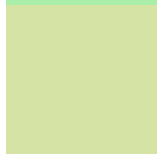
72.4549, 0.2744, 0.3088

Trichromacy



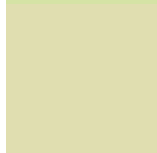
Original Color

72.7093, 0.3095, 0.4119



Protanomaly

71.8009, 0.3433, 0.3995



Deuteranomaly

71.2244, 0.3454, 0.3802



Tritanomaly

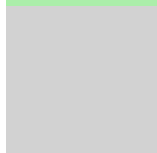
72.4785, 0.2874, 0.3452

Monochromacy



Original Color

72.7093, 0.3095, 0.4119



Achromatopsia

64.4480, 0.3127, 0.3290



Achromatomaly

66.8623, 0.3120, 0.3584

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.7093, 0.3095, 0.4119 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, 170)` looks like.

```
.text, #text, p{  
    color:rgb(171, 238, 170)  
}
```

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, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(171, 238, 170) }
```

Border

The CSS property to change the border of an element to Yxy 72.7093, 0.3095, 0.4119 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, 170) }
```

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

```
.border{ border-color:rgb(171, 238, 170) }
```

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, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(171, 238, 170); -webkit-box-shadow:4px 4px 4px 4px rgb(171, 238, 170); box-shadow:4px 4px 4px 4px rgb(171, 238, 170) }
```


Background

The CSS property to change the background color of an element to Yxy 72.7093, 0.3095, 0.4119 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, 170) }
```

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

```
.background{ background-color: rgb(171,  
238, 170) }
```

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