

Converting Colors

$Yxy(71.4396, 0.3078, 0.3602)$

Have a look what the booklet for
Yxy(71.4396, 0.3078, 0.3602)
contains.

Yxy(71.4396, 0.3078, 0.3602)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(71.4396, 0.3078, 0.3602)

Conversions

Conversions Part 1

Format	Color
Hex	C4E4C9
RGB	196, 228, 201
RGB Percent	77%, 89%, 79%
CMY	0.2315, 0.1058, 0.2117
CMYK	0.14, 0.00, 0.12, 0.11
HSL	129°, 37%, 83%
HSV	129°, 14%, 89%
XYZ	61.0469, 71.4396, 65.8466
YIQ	215.3540, -10.4050, -15.1810

Conversions

Conversions Part 2

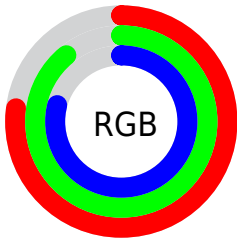
Format	Color
R_{YB}	196, 224, 228
Decimal	12903625
CIE Lab	87.70, -15.58, 9.66
CIE LCh	88, 18.329, 148.195
Yxy	71.4396, 0.3078, 0.3602
Android (android.graphics.Color)	4291093705 (0xFFC4E4C9)
YUV	215.3540, -7.0765, -16.9735
Hunter-Lab	84.5219, -18.9897, 12.9756

Details

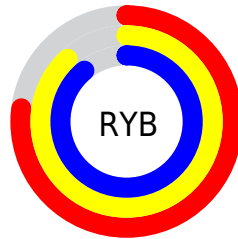
The Yxy color **71.4396, 0.3078, 0.3602** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **61.2860, 0.3180, 0.2997**, and the grayscale version is **68.2608, 0.3127, 0.3290**.

A 20% lighter version of the original color is **99.6226, 0.3115, 0.3290**, and **37.7445, 0.3065, 0.3688** is the 20% darker color. If you saturate the color by 10%, you get **67.7664, 0.3043, 0.3858**, and if you desaturate by 10%, it is **75.6965, 0.3113, 0.3374**.

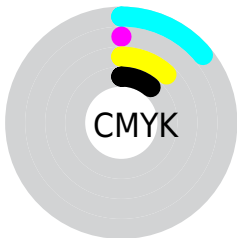
Distribution



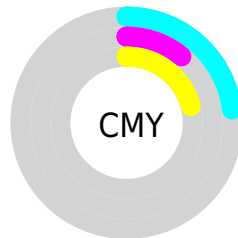
- Red (77%)
- Green (89%)
- Blue (79%)



- Red (77%)
- Yellow (88%)
- Blue (89%)



- Cyan (14%)
- Magenta (0%)
- Yellow (12%)
- Black (11%)



- Cyan (23%)
- Magenta (11%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.4396, 0.3078, 0.3602 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 71.4396, 0.3078, 0.3602 by changing the saturation by 10% instead.

■ 71.4396, 0.3078,
0.3602

■ 71.4396, 0.3078,
0.3602

465.5887, 0.3102,
0.3454

■ 52.7010, 0.3072,
0.3637

121.2595, 0.3087,
0.3550

■ 37.5641, 0.3064,
0.3680

153.1095, 0.3090,
0.3530

■ 25.6446, 0.3054,
0.3736

190.0989, 0.3093,
0.3513

■ 16.5579, 0.3040,
0.3811

232.6119, 0.3095,
0.3498

■ 9.9198, 0.3020,
0.3916

281.0330, 0.3098,
0.3485

■ 5.3458, 0.2988,
0.4073

335.7466, 0.3099,

■ 2.4516, 0.2931,

0.3473

397.1370, 0.3101,
0.3463

0.4334

0.8522, 0.2801,
0.5553

0.0000, 0.0000,
0.0000

71.4396, 0.3078,
0.3602

71.4396, 0.3078,
0.3602

67.7664, 0.3043,
0.3858

75.6965, 0.3113,
0.3374

64.6426, 0.3009,
0.4141

80.5514, 0.3147,
0.3175

62.0445, 0.2979,
0.4446

83.9728, 0.3139,
0.3029

59.9428, 0.2955,
0.4761

■ 58.3055, 0.2939,
0.5073

■ 57.0967, 0.2933,
0.5363

■ 56.2752, 0.2939,
0.5609

■ 55.7914, 0.2955,
0.5797

■ 55.6203, 0.2966,
0.5879

Harmonies

Analogous

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



71.4396, 0.3300, 0.3682



71.4396, 0.3078, 0.3602



71.4396, 0.2874, 0.3429

Triad

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



71.4396, 0.3078, 0.3602



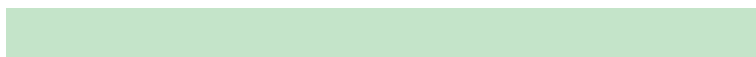
71.4396, 0.2780, 0.2936



71.4396, 0.3530, 0.3338

Complementary

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



71.4396, 0.3078, 0.3602



61.2860, 0.3180, 0.2997

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.



71.4396, 0.3381, 0.3153



71.4396, 0.3078, 0.3602



71.4396, 0.2945, 0.2926

Square

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



71.4396, 0.3078, 0.3602



71.4396, 0.2706, 0.3040



71.4396, 0.3165, 0.3004



71.4396, 0.3566, 0.3519

Rectangle

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



71.4396, 0.3078, 0.3602



71.4396, 0.2775, 0.3289



71.4396, 0.3165, 0.3004



71.4396, 0.3491, 0.3275

Sweetspot

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



71.4426, 0.3078, 0.3602



97.5756, 0.3113, 0.3374



75.1973, 0.3302, 0.3641



20.7906, 0.3111, 0.3390



0.0000, 0.0000, 0.0000



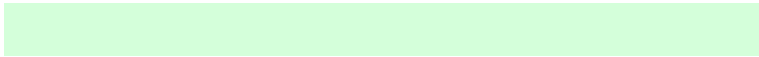
21.4041, 0.3127, 0.3290

Same Dimension

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



71.4426, 0.3078, 0.3602



90.5531, 0.3067, 0.3677



72.2234, 0.2981, 0.3417



16.1261, 0.3094, 0.3494



32.1249, 0.2961, 0.5861



2.3853, 0.2896, 0.5625

Inverse Universe

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



61.2860, 0.3180, 0.2997



74.9590, 0.3193, 0.2931



60.4749, 0.3299, 0.3166



14.5741, 0.3162, 0.3094



11.7361, 0.3652, 0.1786



0.8778, 0.3577, 0.1744

Previews

White Background



This preview shows how the Yxy color 71.4396, 0.3078, 0.3602 looks on a white background.

Color Contrast Check

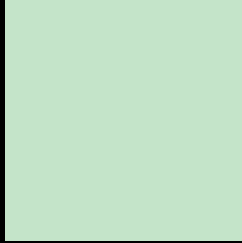
Large Text (above 18pt) WCAG AA × Fail

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 71.4396, 0.3078, 0.3602 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

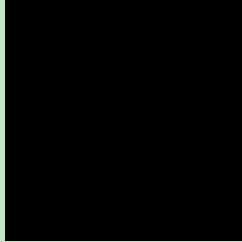
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

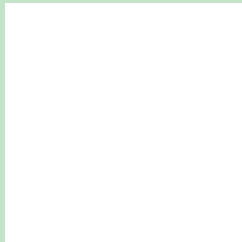
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.4396, 0.3078, 0.3602

Background



This preview shows how black text looks on a background with the Yxy color 71.4396, 0.3078, 0.3602.

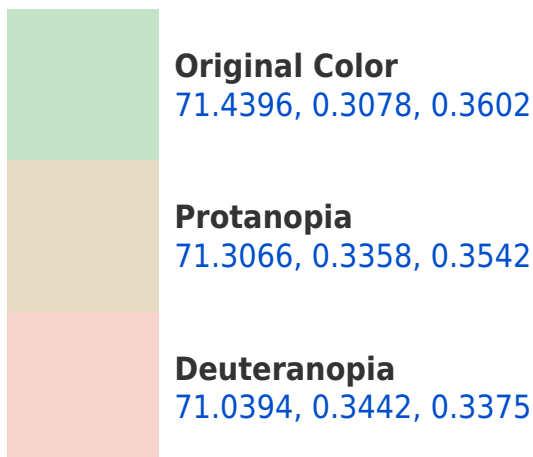


This preview shows how white text looks on a background with the Yxy color 71.4396, 0.3078, 0.3602.

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





Tritanopia

71.2303, 0.2885, 0.3092

Trichromacy



Original Color

71.4396, 0.3078, 0.3602

Protanomaly

71.0715, 0.3251, 0.3558

Deuteranomaly

70.9486, 0.3303, 0.3454

Tritanomaly

71.0817, 0.2951, 0.3267

Monochromacy



Original Color

71.4396, 0.3078, 0.3602

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

69.2494, 0.3108, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.4396, 0.3078, 0.3602 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(196, 228, 201)` looks like.

```
.text, #text, p{  
    color:rgb(196, 228, 201)  
}
```

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(196, 228, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 228, 201) }
```

Border

The CSS property to change the border of an element to Yxy 71.4396, 0.3078, 0.3602 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(196, 228, 201) }
```

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

```
.border{ border-color:rgb(196, 228, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 228, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(196, 228, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(196, 228, 201);  
box-shadow:4px 4px 4px 4px rgb(196, 228,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 71.4396, 0.3078, 0.3602 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 228, 201) }
```

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

```
.background{ background-color: rgb(196,  
228, 201) }
```

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