

Converting Colors

$Yxy(71.9602, 0.3159, 0.3780)$

Have a look what the booklet for
Yxy(71.9602, 0.3159, 0.3780)
contains.

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Color

Yxy(71.9602, 0.3159, 0.3780)

Conversions

Conversions Part 1

Format	Color
Hex	C4E6BC
RGB	196, 230, 188
RGB Percent	77%, 90%, 74%
CMY	0.2313, 0.0980, 0.2629
CMYK	0.15, 0.00, 0.18, 0.10
HSL	109°, 46%, 82%
HSV	109°, 18%, 90%
XYZ	60.1382, 71.9602, 58.2725
YIQ	215.0460, -6.7820, -20.2700

Conversions

Conversions Part 2

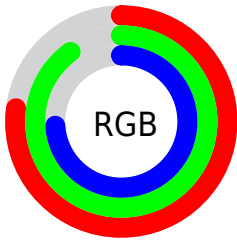
Format	Color
RYB	188, 230, 222
Decimal	12904124
CIELab	87.95, -18.81, 16.84
CIElCh	88, 25.250, 138.158
Yxy	71.9602, 0.3159, 0.3780
Android (android.graphics.Color)	4291094204 (0xFFC4E6BC)
YUV	215.0460, -13.3337, -16.7033
Hunter-Lab	84.8294, -21.9072, 18.6520

Details

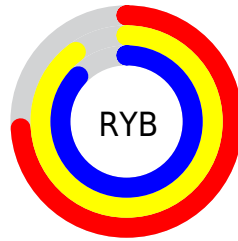
The Yxy color **71.9602, 0.3159, 0.3780** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **57.1833, 0.3085, 0.2829**, and the grayscale version is **68.0848, 0.3127, 0.3290**.

A 20% lighter version of the original color is **98.9343, 0.3178, 0.3396**, and **37.7722, 0.3160, 0.3893** is the 20% darker color. If you saturate the color by 10%, you get **68.7083, 0.3172, 0.4089**, and if you desaturate by 10%, it is **75.6853, 0.3142, 0.3500**.

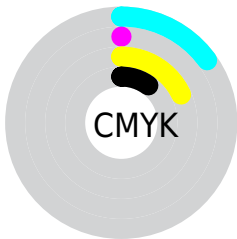
Distribution



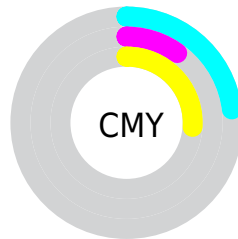
- Red (77%)
- Green (90%)
- Blue (74%)



- Red (74%)
- Yellow (90%)
- Blue (87%)



- Cyan (15%)
- Magenta (0%)
- Yellow (18%)
- Black (10%)



- Cyan (23%)
- Magenta (10%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.9602, 0.3159, 0.3780 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 71.9602, 0.3159, 0.3780 by changing the saturation by 10% instead.

71.9602, 0.3159,
0.3780

71.9602, 0.3159,
0.3780

467.4031, 0.3148,
0.3546

53.1262, 0.3161,
0.3835

121.9999, 0.3156,
0.3697

37.9035, 0.3162,
0.3905

153.9744, 0.3154,
0.3666

25.9078, 0.3163,
0.3994

191.0979, 0.3153,
0.3638

16.7547, 0.3163,
0.4113

233.7547, 0.3152,
0.3615

10.0597, 0.3159,
0.4281

282.3292, 0.3151,
0.3594

5.4386, 0.3147,
0.4532


337.2058, 0.3150,

2.5068, 0.3110,


0.3576


0.4945


398.7690, 0.3149,
0.3560


 0.8801, 0.3001,
0.6999


 0.0000, 0.0000,
0.0000


 71.9602, 0.3159,
0.3780


 71.9602, 0.3159,
0.3780


 68.7083, 0.3172,
0.4089


 75.6853, 0.3142,
0.3500

 65.9017, 0.3181,
0.4419

 79.8919, 0.3124,
0.3249

 63.5234, 0.3183,
0.4760

 84.4732, 0.3117,
0.3047

 61.5518, 0.3176,
0.5093

 85.0762, 0.3138,
0.3048

■ 59.9635, 0.3160,
0.5398

■ 58.7324, 0.3134,
0.5651

■ 57.8289, 0.3100,
0.5833

■ 57.2158, 0.3063,
0.5940

■ 57.1335, 0.3058,
0.5954

Harmonies

Analogous

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



71.9602, 0.3455, 0.3833



71.9602, 0.3159, 0.3780



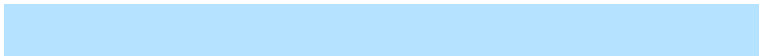
71.9602, 0.2864, 0.3573

Triad

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



71.9602, 0.3159, 0.3780



71.9602, 0.2606, 0.2839



71.9602, 0.3629, 0.3265

Complementary

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



71.9602, 0.3159, 0.3780



57.1833, 0.3085, 0.2829

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.



71.9602, 0.3381, 0.3028



71.9602, 0.3159, 0.3780



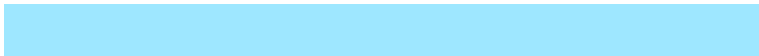
71.9602, 0.2791, 0.2787

Square

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



71.9602, 0.3159, 0.3780



71.9602, 0.2555, 0.3016



71.9602, 0.3071, 0.2856



71.9602, 0.3735, 0.3518

Rectangle

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



71.9602, 0.3159, 0.3780



71.9602, 0.2707, 0.3383



71.9602, 0.3071, 0.2856



71.9602, 0.3558, 0.3181

Sweetspot

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



71.9633, 0.3159, 0.3780



97.3033, 0.3136, 0.3415



72.4807, 0.3417, 0.3657



20.7485, 0.3138, 0.3433



0.0000, 0.0000, 0.0000



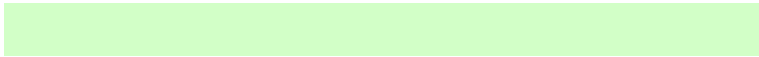
21.4041, 0.3127, 0.3290

Same Dimension

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



71.9633, 0.3159, 0.3780



89.2895, 0.3165, 0.3896



71.4792, 0.3027, 0.3635



16.2214, 0.3144, 0.3531



32.3838, 0.3065, 0.5948



2.4307, 0.3157, 0.5875

Inverse Universe

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



57.1833, 0.3085, 0.2829



67.2983, 0.3074, 0.2727



57.8026, 0.3245, 0.2968



14.4683, 0.3107, 0.3056



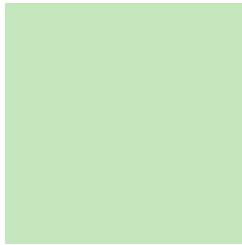
9.1898, 0.2729, 0.1277



0.7151, 0.2803, 0.1318

Previews

White Background



This preview shows how the Yxy color 71.9602, 0.3159, 0.3780 looks on a white background.

Color Contrast Check

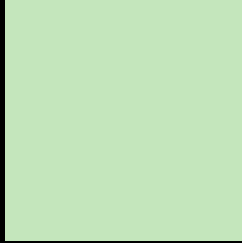
Large Text (above 18pt) WCAG AA × Fail

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 71.9602, 0.3159, 0.3780 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

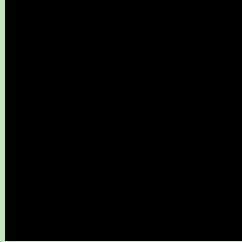
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

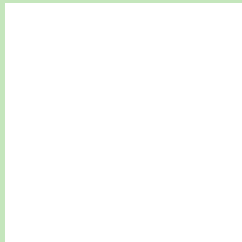
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 71.9602, 0.3159, 0.3780

Background



This preview shows how black text looks on a background with the Yxy color 71.9602, 0.3159, 0.3780.

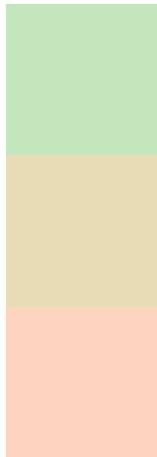


This preview shows how white text looks on a background with the Yxy color 71.9602, 0.3159, 0.3780.

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

71.9602, 0.3159, 0.3780

Protanopia

71.7611, 0.3470, 0.3694

Deuteranopia

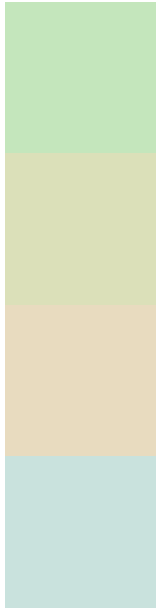
71.5882, 0.3578, 0.3499



Tritanopia

71.9040, 0.2892, 0.3103

Trichromacy



Original Color

71.9602, 0.3159, 0.3780

Protanomaly

71.8742, 0.3351, 0.3727

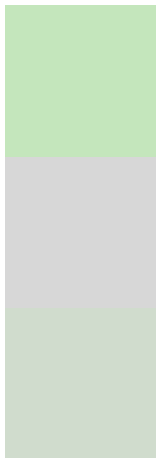
Deuteranomaly

71.5804, 0.3416, 0.3595

Tritanomaly

72.0307, 0.2988, 0.3346

Monochromacy



Original Color

71.9602, 0.3159, 0.3780

Achromatopsia

67.9542, 0.3127, 0.3290

Achromatomaly

69.0041, 0.3141, 0.3460

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9602, 0.3159, 0.3780 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, 230, 188)` looks like.

```
.text, #text, p{  
    color:rgb(196, 230, 188)  
}
```

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, 230, 188) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(196, 230, 188) }
```

Border

The CSS property to change the border of an element to Yxy 71.9602, 0.3159, 0.3780 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, 230, 188) }
```

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

```
.border{ border-color:rgb(196, 230, 188) }
```

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

Here you see how a box with a 4 pixel `rgb(196, 230, 188)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(196, 230, 188); -webkit-box-shadow:4px 4px 4px 4px rgb(196, 230, 188); box-shadow:4px 4px 4px 4px rgb(196, 230, 188) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9602, 0.3159, 0.3780 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(196, 230, 188) }
```

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

```
.background{ background-color: rgb(196,  
230, 188) }
```

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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