

Converting Colors

$Yxy(71.7809, 0.3118, 0.4041)$

Have a look what the booklet for
Yxy(71.7809, 0.3118, 0.4041)
contains.

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Color

Yxy(71.7809, 0.3118, 0.4041)

Conversions

Conversions Part 1

Format	Color
Hex	B1EBAD
RGB	177, 235, 173
RGB Percent	69%, 92%, 68%
CMY	0.3058, 0.0784, 0.3216
CMYK	0.25, 0.00, 0.26, 0.08
HSL	116°, 61%, 80%
HSV	116°, 26%, 92%
XYZ	55.3855, 71.7809, 50.4651
YIQ	210.5900, -14.6660, -31.5780

Conversions

Conversions Part 2

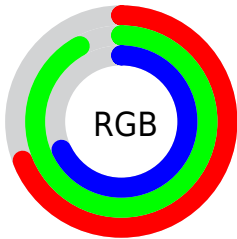
Format	Color
RYB	173, 235, 231
Decimal	11660205
CIELab	87.86, -30.06, 24.30
CIElCh	88, 38.650, 141.050
Yxy	71.7809, 0.3118, 0.4041
Android (android.graphics.Color)	4289850285 (0xFFB1EBAD)
YUV	210.5900, -18.5319, -29.4584
Hunter-Lab	84.7236, -31.5773, 23.9908

Details

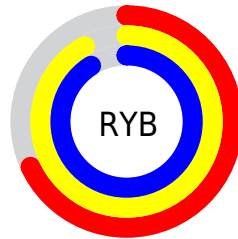
The Yxy color **71.7809, 0.3118, 0.4041** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **52.8652, 0.3125, 0.2627**, and the grayscale version is **64.9925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.6696, 0.3146, 0.3552**, and **37.8072, 0.3107, 0.4244** is the 20% darker color. If you saturate the color by 10%, you get **68.5766, 0.3110, 0.4379**, and if you desaturate by 10%, it is **75.5667, 0.3123, 0.3730**.

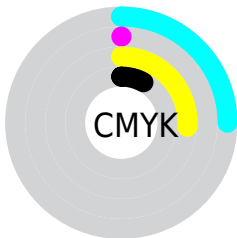
Distribution



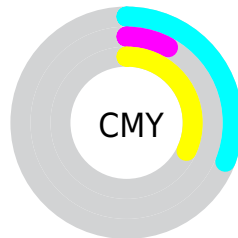
- Red (69%)
- Green (92%)
- Blue (68%)



- Red (68%)
- Yellow (92%)
- Blue (91%)



- Cyan (25%)
- Magenta (0%)
- Yellow (26%)
- Black (8%)




- Cyan (31%)
- Magenta (8%)
- Yellow (32%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.7809, 0.3118, 0.4041 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 71.7809, 0.3118, 0.4041 by changing the saturation by 10% instead.

 71.7809, 0.3118,
0.4041

 71.7809, 0.3118,
0.4041


466.7786, 0.3131,
0.3677

 52.9797, 0.3113,
0.4128


 121.7450, 0.3124,
0.3911

 37.7866, 0.3105,
0.4238


153.6767, 0.3126,
0.3862

 25.8171, 0.3092,
0.4381


190.7540, 0.3128,
0.3820

 16.6869, 0.3072,
0.4572

233.3613, 0.3129,
0.3783

 10.0115, 0.3036,
0.4842

281.8830, 0.3130,
0.3752

 5.4066, 0.2967,
0.5247


336.7036, 0.3130,

 2.4877, 0.2869,


0.3724


0.6029


398.2073, 0.3131,
0.3699

 0.8705, 0.0971,
0.9029


 0.0000, 0.0000,
0.0000


 71.7809, 0.3118,
0.4041

 71.7809, 0.3118,
0.4041


 68.5766, 0.3110,
0.4379


 75.5667, 0.3123,
0.3730

 65.9165, 0.3099,
0.4733

 79.9511, 0.3126,
0.3451

 63.7729, 0.3085,
0.5084

 84.9618, 0.3127,
0.3205

 62.1123, 0.3068,
0.5406

 87.8973, 0.3136,
0.3097

■ 60.8970, 0.3050,
0.5673

■ 60.0838, 0.3031,
0.5864

■ 59.6207, 0.3014,
0.5968

■ 59.5213, 0.3011,
0.5991

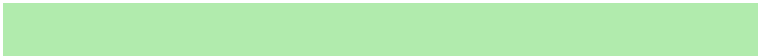
Harmonies

Analogous

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



71.7809, 0.3574, 0.4133



71.7809, 0.3118, 0.4041



71.7809, 0.2684, 0.3690

Triad

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



71.7809, 0.3118, 0.4041



71.7809, 0.2366, 0.2593



71.7809, 0.3927, 0.3274

Complementary

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



71.7809, 0.3118, 0.4041



52.8652, 0.3125, 0.2627

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.



71.7809, 0.3555, 0.2926



71.7809, 0.3118, 0.4041



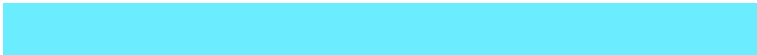
71.7809, 0.2651, 0.2545

Square

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



71.7809, 0.3118, 0.4041



71.7809, 0.2272, 0.2826



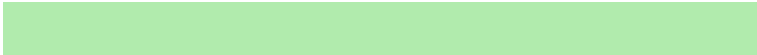
71.7809, 0.3080, 0.2667



71.7809, 0.4063, 0.3648

Rectangle

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



71.7809, 0.3118, 0.4041



71.7809, 0.2463, 0.3380



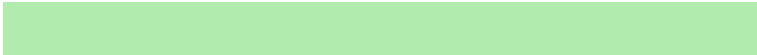
71.7809, 0.3080, 0.2667



71.7809, 0.3824, 0.3152

Sweetspot

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



71.7840, 0.3118, 0.4041



95.3154, 0.3126, 0.3494



77.7566, 0.3536, 0.3909



20.2245, 0.3125, 0.3535



0.0000, 0.0000, 0.0000



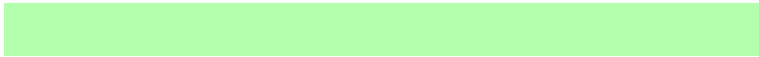
21.4041, 0.3127, 0.3290

Same Dimension

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



71.7840, 0.3118, 0.4041



84.1015, 0.3114, 0.4233



72.4641, 0.2936, 0.3710



16.9089, 0.3125, 0.3533



33.1446, 0.3014, 0.5989



2.6191, 0.3053, 0.5958

Inverse Universe

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



52.8652, 0.3125, 0.2627



57.5280, 0.3123, 0.2482



52.1062, 0.3379, 0.2906



15.2610, 0.3128, 0.3057



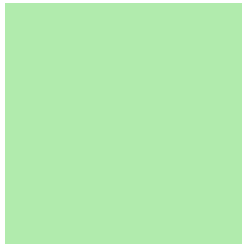
11.8036, 0.3047, 0.1452



0.9419, 0.3071, 0.1465

Previews

White Background



This preview shows how the Yxy color 71.7809, 0.3118, 0.4041 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 71.7809, 0.3118, 0.4041 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

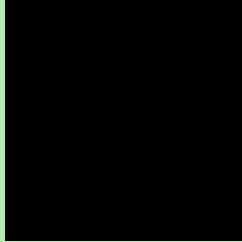
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.7809, 0.3118, 0.4041

Background



This preview shows how black text looks on a background with the Yxy color 71.7809, 0.3118, 0.4041.

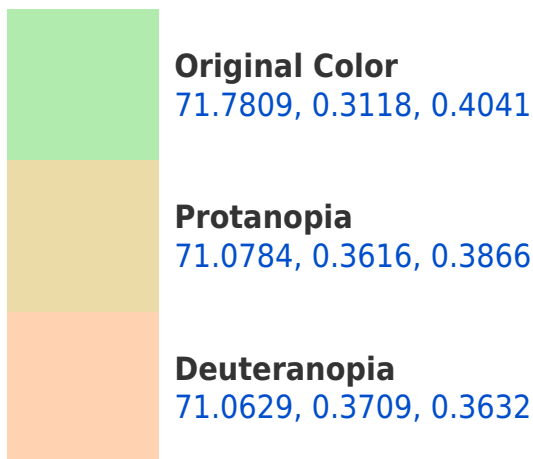


This preview shows how white text looks on a background with the Yxy color 71.7809, 0.3118, 0.4041.

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

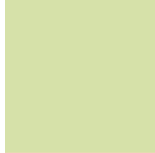
71.7432, 0.2777, 0.3089

Trichromacy



Original Color

71.7809, 0.3118, 0.4041



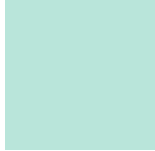
Protanomaly

71.0111, 0.3419, 0.3927



Deuteranomaly

70.6519, 0.3481, 0.3777



Tritanomaly

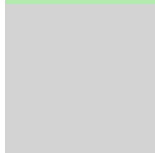
71.4149, 0.2903, 0.3417

Monochromacy



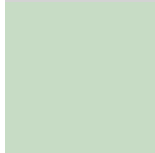
Original Color

71.7809, 0.3118, 0.4041



Achromatopsia

65.1406, 0.3127, 0.3290



Achromatomaly

67.3597, 0.3129, 0.3559

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.7809, 0.3118, 0.4041 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(177, 235, 173)` looks like.

```
.text, #text, p{  
    color:rgb(177, 235, 173)  
}
```

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(177, 235, 173) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 235, 173) }
```

Border

The CSS property to change the border of an element to Yxy 71.7809, 0.3118, 0.4041 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(177, 235, 173) }
```

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

```
.border{ border-color:rgb(177, 235, 173) }
```

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

Here you see how a box with a 4 pixel `rgb(177, 235, 173)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(177, 235, 173); -webkit-box-shadow:4px 4px 4px 4px rgb(177, 235, 173); box-shadow:4px 4px 4px 4px rgb(177, 235, 173) }
```


Background

The CSS property to change the background color of an element to Yxy 71.7809, 0.3118, 0.4041 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(177, 235, 173) }
```

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

```
.background{ background-color: rgb(177,  
235, 173) }
```

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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