

Converting Colors

$Yxy(72.9775, 0.2952, 0.3687)$

Have a look what the booklet for
Yxy(72.9775, 0.2952, 0.3687)
contains.

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Color

Yxy(72.9808, 0.2954, 0.3693)

Conversions

Conversions Part 1

Format	Color
Hex	B1EBC9
RGB	177, 235, 201
RGB Percent	69%, 92%, 79%
CMY	0.3060, 0.0784, 0.2118
CMYK	0.25, 0.00, 0.14, 0.08
HSL	145°, 59%, 81%
HSV	145°, 25%, 92%
XYZ	58.3767, 72.9808, 66.2617
YIQ	213.7820, -23.6540, -22.8700

Conversions

Conversions Part 2

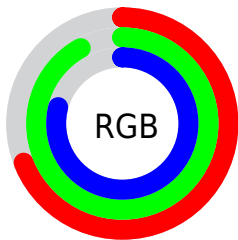
Format	Color
RYB	177, 218, 235
Decimal	11660233
CIELab	88.44, -25.15, 10.58
CIELCh	88, 27.287, 157.183
Yxy	72.9808, 0.2954, 0.3693
Android (android.graphics.Color)	4289850313 (0xFFB1EBC9)
YUV	213.7820, -6.3015, -32.2578
Hunter-Lab	85.4288, -27.5246, 13.8126

Details

The Yxy color **72.9808, 0.2954, 0.3693** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **53.8010, 0.3350, 0.2919**, and the grayscale version is **67.1438, 0.3127, 0.3290**.

A 20% lighter version of the original color is **96.2324, 0.2999, 0.3290**, and **38.5577, 0.2909, 0.3795** is the 20% darker color. If you saturate the color by 10%, you get **69.8386, 0.2891, 0.3888**, and if you desaturate by 10%, it is **76.6624, 0.3022, 0.3516**.

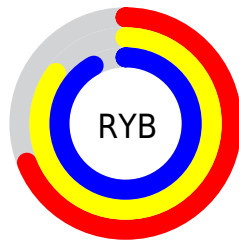
Distribution



Red (69%)

Green (92%)

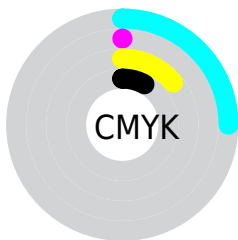
Blue (79%)



Red (69%)

Yellow (85%)

Blue (92%)

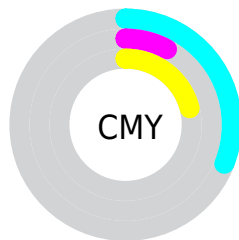


Cyan (25%)

Magenta (0%)

Yellow (14%)

Black (8%)



Cyan (31%)


Magenta (8%)


Yellow (21%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.9808, 0.2954, 0.3693 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 72.9808, 0.2954, 0.3693 by changing the saturation by 10% instead.


 72.9808, 0.2954,
0.3693

 72.9808, 0.2954,
0.3693

470.9483, 0.3037,
0.3501

 53.9603, 0.2934,
0.3738


 123.4500, 0.2983,
0.3625

 38.5699, 0.2910,
0.3795


155.6674, 0.2995,
0.3599

 26.4253, 0.2878,
0.3868


193.0525, 0.3004,
0.3577

 17.1421, 0.2836,
0.3966

235.9898, 0.3012,
0.3558

 10.3358, 0.2776,
0.4103

284.8636, 0.3020,
0.3541

 5.6222, 0.2685,
0.4310


340.0584, 0.3026,

 2.6167, 0.2534,


0.3526


0.4654


401.9585, 0.3032,
0.3513


 0.9351, 0.1843,
0.6291


 0.0000, 0.0000,
0.0000


 72.9808, 0.2954,
0.3693


 72.9808, 0.2954,
0.3693


 69.8386, 0.2891,
0.3888


 76.6624, 0.3022,
0.3516


 67.2009, 0.2836,
0.4098

 80.8983, 0.3094,
0.3358

 65.0425, 0.2792,
0.4321

 85.7142, 0.3165,
0.3218

 63.3326, 0.2764,
0.4552

 87.9031, 0.3136,
0.3097

■ 62.0363, 0.2753,
0.4783

■ 61.1136, 0.2762,
0.5005

■ 60.5156, 0.2790,
0.5211

■ 60.2909, 0.2809,
0.5312

Harmonies

Analogous

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



72.9808, 0.3281, 0.3861



72.9808, 0.2954, 0.3693



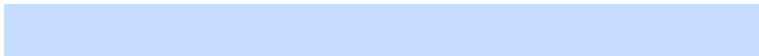
72.9808, 0.2683, 0.3400

Triad

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



72.9808, 0.2954, 0.3693



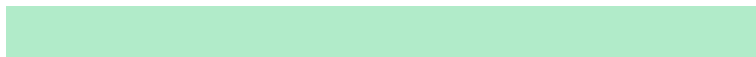
72.9808, 0.2679, 0.2755



72.9808, 0.3761, 0.3435

Complementary

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



72.9808, 0.2954, 0.3693



53.8010, 0.3350, 0.2919

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.



72.9808, 0.3583, 0.3164



72.9808, 0.2954, 0.3693



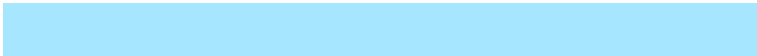
72.9808, 0.2948, 0.2784

Square

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



72.9808, 0.2954, 0.3693



72.9808, 0.2531, 0.2860



72.9808, 0.3280, 0.2932



72.9808, 0.3757, 0.3687

Rectangle

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



72.9808, 0.2954, 0.3693



72.9808, 0.2567, 0.3189



72.9808, 0.3280, 0.2932



72.9808, 0.3720, 0.3344

Sweetspot

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



72.9838, 0.2954, 0.3693



96.1147, 0.3077, 0.3393



76.5632, 0.3333, 0.3942



20.5042, 0.3072, 0.3403



0.0000, 0.0000, 0.0000



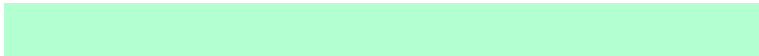
21.4041, 0.3127, 0.3290

Same Dimension

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



72.9838, 0.2954, 0.3693



85.7052, 0.2919, 0.3797



74.4360, 0.2795, 0.3356



16.9655, 0.3059, 0.3431



33.5750, 0.2801, 0.5282



2.6552, 0.2724, 0.5007

Inverse Universe

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



53.8010, 0.3350, 0.2919



58.6463, 0.3413, 0.2834



52.5078, 0.3595, 0.3226



15.2022, 0.3201, 0.3153



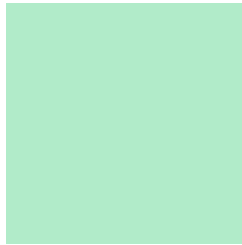
10.8731, 0.4595, 0.2305



0.8729, 0.4350, 0.2170

Previews

White Background



This preview shows how the Yxy color 72.9808, 0.2954, 0.3693 looks on a white background.

Color Contrast Check

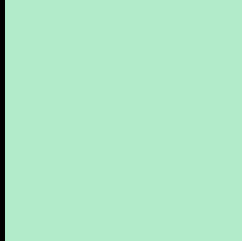
Large Text (above 18pt) WCAG AA × Fail

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 72.9808, 0.2954, 0.3693 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

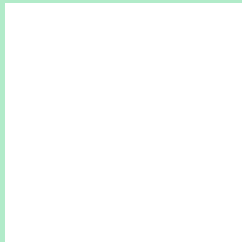
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.9808, 0.2954, 0.3693

Background



This preview shows how black text looks on a background with the Yxy color 72.9808, 0.2954, 0.3693.

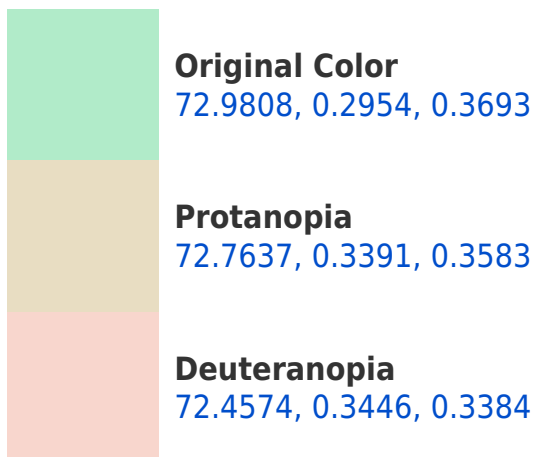


This preview shows how white text looks on a background with the Yxy color 72.9808, 0.2954, 0.3693.

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

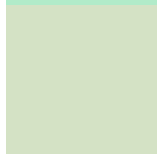
73.1931, 0.2746, 0.3089

Trichromacy



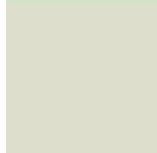
Original Color

72.9808, 0.2954, 0.3693



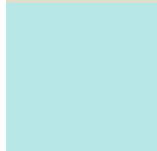
Protanomaly

72.4210, 0.3217, 0.3616



Deuteranomaly

72.1318, 0.3247, 0.3488



Tritanomaly

72.9323, 0.2823, 0.3301

Monochromacy



Original Color

72.9808, 0.2954, 0.3693



Achromatopsia

67.2443, 0.3127, 0.3290



Achromatomaly

69.2635, 0.3064, 0.3439

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.9808, 0.2954, 0.3693 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, 201)` looks like.

```
.text, #text, p{  
    color:rgb(177, 235, 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(177, 235, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(177, 235, 201) }
```

Border

The CSS property to change the border of an element to Yxy 72.9808, 0.2954, 0.3693 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, 201) }
```

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

```
.border{ border-color:rgb(177, 235, 201) }
```

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, 201) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(177, 235, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(177, 235, 201);  
box-shadow:4px 4px 4px 4px rgb(177, 235,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 72.9808, 0.2954, 0.3693 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, 201) }
```

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

```
.background{ background-color: rgb(177,  
235, 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](#).

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