

Converting Colors

$Yxy(72.4763, 0.2996, 0.3796)$

Have a look what the booklet for
Yxy(72.4763, 0.2996, 0.3796)
contains.

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Color

Yxy(72.4970, 0.2994, 0.3792)

Conversions

Conversions Part 1

Format	Color
Hex	B0EBC1
RGB	176, 235, 193
RGB Percent	69%, 92%, 76%
CMY	0.3098, 0.0784, 0.2430
CMYK	0.25, 0.00, 0.18, 0.08
HSL	137°, 60%, 81%
HSV	137°, 25%, 92%
XYZ	57.2405, 72.4970, 61.4466
YIQ	212.5710, -21.6820, -25.5700

Conversions

Conversions Part 2

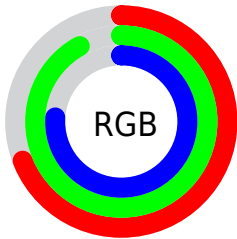
Format	Color
RYB	176, 222, 235
Decimal	11594689
CIELab	88.21, -26.93, 14.39
CIELCh	88, 30.535, 151.879
Yxy	72.4970, 0.2994, 0.3792
Android (android.graphics.Color)	4289784769 (0xFFB0EBC1)
YUV	212.5710, -9.6485, -32.0728
Hunter-Lab	85.1452, -29.0039, 16.8139

Details

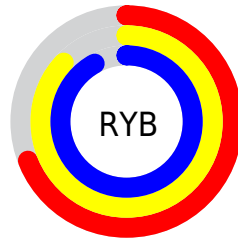
The Yxy color **72.4970, 0.2994, 0.3792** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **53.7727, 0.3293, 0.2836**, and the grayscale version is **66.3172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.5779, 0.3015, 0.3339**, and **38.2419, 0.2959, 0.3929** is the 20% darker color. If you saturate the color by 10%, you get **69.2891, 0.2945, 0.4032**, and if you desaturate by 10%, it is **76.2694, 0.3046, 0.3575**.

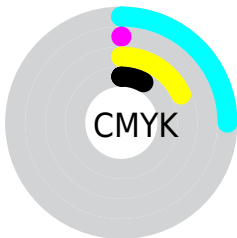
Distribution



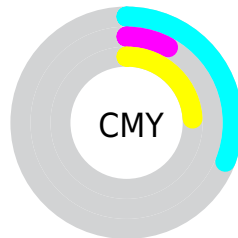
- Red (69%)
- Green (92%)
- Blue (76%)



- Red (69%)
- Yellow (87%)
- Blue (92%)



- Cyan (25%)
- Magenta (0%)
- Yellow (18%)
- Black (8%)



- Cyan (31%)
- Magenta (8%)
- Yellow (24%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 72.4970, 0.2994, 0.3792 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 72.4970, 0.2994, 0.3792 by changing the saturation by 10% instead.

 72.4970, 0.2994,
0.3792

 72.4970, 0.2994,
0.3792

469.2696, 0.3060,
0.3551

 53.5648, 0.2978,
0.3849


 122.7629, 0.3018,
0.3707

 38.2538, 0.2957,
0.3921


154.8653, 0.3027,
0.3674

 26.1797, 0.2930,
0.4014


192.1266, 0.3034,
0.3646

 16.9582, 0.2894,
0.4139

234.9311, 0.3041,
0.3622

 10.2047, 0.2840,
0.4315

283.6633, 0.3047,
0.3601

 5.5349, 0.2757,
0.4581


338.7075, 0.3051,

 2.5644, 0.2609,

0.3582

0.5027


400.4482, 0.3056,
0.3566


 0.9088, 0.1849,
0.8151


 0.0000, 0.0000,
0.0000


 72.4970, 0.2994,
0.3792


 72.4970, 0.2994,
0.3792


 69.2891, 0.2945,
0.4032

 76.2694, 0.3046,
0.3575


 66.6095, 0.2903,
0.4291

 80.6227, 0.3100,
0.3380

 64.4316, 0.2871,
0.4563

 85.5835, 0.3153,
0.3209

 62.7229, 0.2851,
0.4838

 87.8985, 0.3136,
0.3097

■ 61.4469, 0.2847,
0.5105

■ 60.5615, 0.2859,
0.5350

■ 60.0152, 0.2886,
0.5559

■ 59.8340, 0.2902,
0.5647

Harmonies

Analogous

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



72.4970, 0.3361, 0.3946



72.4970, 0.2994, 0.3792



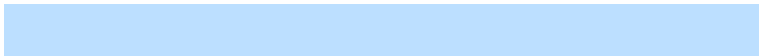
72.4970, 0.2675, 0.3476

Triad

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



72.4970, 0.2994, 0.3792



72.4970, 0.2586, 0.2703



72.4970, 0.3818, 0.3395

Complementary

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



72.4970, 0.2994, 0.3792



53.7727, 0.3293, 0.2836

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.



72.4970, 0.3586, 0.3098



72.4970, 0.2994, 0.3792



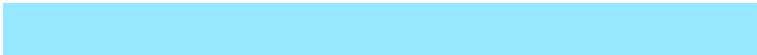
72.4970, 0.2865, 0.2711

Square

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



72.4970, 0.2994, 0.3792



72.4970, 0.2451, 0.2843



72.4970, 0.3230, 0.2854



72.4970, 0.3850, 0.3685

Rectangle

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



72.4970, 0.2994, 0.3792



72.4970, 0.2529, 0.3235



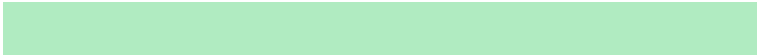
72.4970, 0.3230, 0.2854



72.4970, 0.3760, 0.3293

Sweetspot

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



72.5000, 0.2994, 0.3792



95.4346, 0.3084, 0.3435



77.5024, 0.3385, 0.3943



20.2544, 0.3076, 0.3464



0.0000, 0.0000, 0.0000



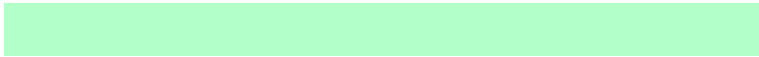
21.4041, 0.3127, 0.3290

Same Dimension

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



72.5000, 0.2994, 0.3792



85.2418, 0.2969, 0.3910



73.9340, 0.2828, 0.3437



16.9337, 0.3076, 0.3462



33.3185, 0.2894, 0.5620



2.6325, 0.2818, 0.5346

Inverse Universe

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



53.7727, 0.3293, 0.2836



59.1784, 0.3335, 0.2742



52.3770, 0.3544, 0.3149



15.2353, 0.3182, 0.3124



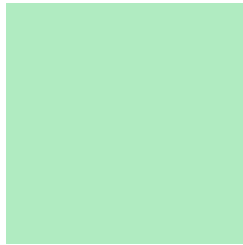
11.4089, 0.4102, 0.2033



0.9124, 0.3949, 0.1949

Previews

White Background



This preview shows how the Yxy color 72.4970, 0.2994, 0.3792 looks on a white background.

Color Contrast Check

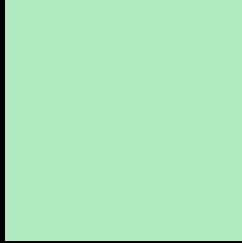
Large Text (above 18pt) WCAG AA × Fail

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 72.4970, 0.2994, 0.3792 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

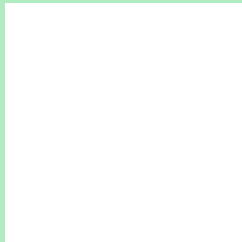
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.4970, 0.2994, 0.3792

Background



This preview shows how black text looks on a background with the Yxy color 72.4970, 0.2994, 0.3792.

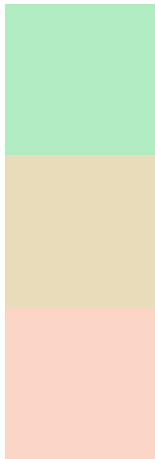


This preview shows how white text looks on a background with the Yxy color 72.4970, 0.2994, 0.3792.

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

72.4970, 0.2994, 0.3792

Protanopia

71.8874, 0.3449, 0.3661

Deuteranopia

71.9897, 0.3515, 0.3447



Tritanopia

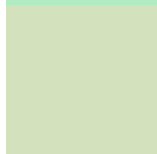
72.5797, 0.2750, 0.3089

Trichromacy



Original Color

72.4970, 0.2994, 0.3792



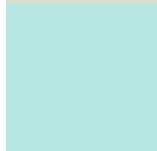
Protanomaly

71.5216, 0.3271, 0.3698



Deuteranomaly

71.3864, 0.3310, 0.3567



Tritanomaly

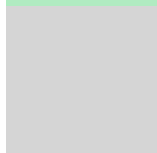
72.6430, 0.2834, 0.3335

Monochromacy



Original Color

72.4970, 0.2994, 0.3792



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

68.4485, 0.3077, 0.3463

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.4970, 0.2994, 0.3792 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(176, 235, 193)` looks like.

```
.text, #text, p{  
    color:rgb(176, 235, 193)  
}
```

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(176, 235, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 235, 193) }
```

Border

The CSS property to change the border of an element to Yxy 72.4970, 0.2994, 0.3792 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(176, 235, 193) }
```

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

```
.border{ border-color:rgb(176, 235, 193) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 235, 193)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 235, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 235, 193);  
box-shadow:4px 4px 4px 4px rgb(176, 235,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 72.4970, 0.2994, 0.3792 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 235, 193) }
```

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

```
.background{ background-color: rgb(176,  
235, 193) }
```

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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