

Converting Colors

$Yxy(72.8125, 0.3029, 0.3878)$

Have a look what the booklet for
Yxy(72.8125, 0.3029, 0.3878)
contains.

Yxy(72.8089, 0.3029, 0.3878)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(72.8089, 0.3029, 0.3878)

Conversions

Conversions Part 1

Format	Color
Hex	B0ECBB
RGB	176, 236, 187
RGB Percent	69%, 93%, 73%
CMY	0.3098, 0.0745, 0.2667
CMYK	0.25, 0.00, 0.21, 0.07
HSL	131°, 61%, 81%
HSV	131°, 25%, 93%
XYZ	56.8690, 72.8089, 58.0706
YIQ	212.4740, -20.0310, -27.9590

Conversions

Conversions Part 2

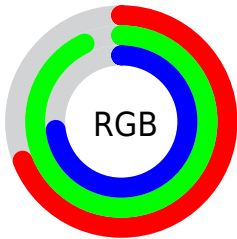
Format	Color
RYB	176, 227, 236
Decimal	11594939
CIELab	88.36, -28.49, 17.73
CIELCh	88, 33.557, 148.099
Yxy	72.8089, 0.3029, 0.3878
Android (android.graphics.Color)	4289785019 (0xFFB0ECBB)
YUV	212.4740, -12.5587, -31.9877
Hunter-Lab	85.3281, -30.3585, 19.3795

Details

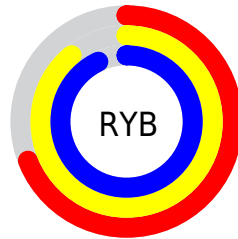
The Yxy color **72.8089, 0.3029, 0.3878** is a light color, and the websafe version is hex **CCFFCC**. A complement of this color would be **54.3197, 0.3244, 0.2766**, and the grayscale version is **66.2668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **95.3147, 0.3060, 0.3410**, and **38.5013, 0.2996, 0.4026** is the 20% darker color. If you saturate the color by 10%, you get **69.5251, 0.2993, 0.4156**, and if you desaturate by 10%, it is **76.6879, 0.3067, 0.3626**.

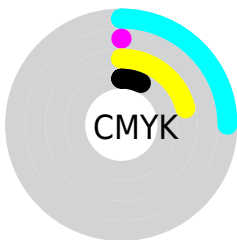
Distribution



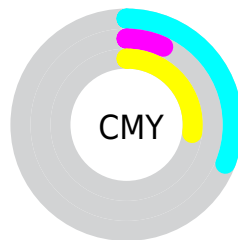
- Red (69%)
- Green (93%)
- Blue (73%)



- Red (69%)
- Yellow (89%)
- Blue (93%)



- Cyan (25%)
- Magenta (0%)
- Yellow (21%)
- Black (7%)





- Cyan (31%)
- Magenta (7%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8089, 0.3029, 0.3878 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 72.8089, 0.3029, 0.3878 by changing the saturation by 10% instead.


 72.8089, 0.3029,
0.3878

 72.8089, 0.3029,
0.3878


470.3522, 0.3080,
0.3595

 53.8197, 0.3016,
0.3945

 123.2059, 0.3048,
0.3778

 38.4575, 0.2999,
0.4030


155.3825, 0.3055,
0.3739

 26.3380, 0.2976,
0.4140


192.7236, 0.3061,
0.3706

 17.0767, 0.2944,
0.4287

235.6138, 0.3066,
0.3678

 10.2892, 0.2896,
0.4495

284.4374, 0.3070,
0.3653

 5.5911, 0.2817,
0.4810


339.5787, 0.3074,

 2.5981, 0.2670,


0.3631

401.4222, 0.3077,
0.3612


0.5333

 0.9257, 0.1657,
0.8343


 0.0000, 0.0000,
0.0000


 72.8089, 0.3029,
0.3878


 72.8089, 0.3029,
0.3878


 69.5251, 0.2993,
0.4156


 76.6879, 0.3067,
0.3626


 66.7980, 0.2961,
0.4454

 81.1799, 0.3106,
0.3401

 64.5992, 0.2936,
0.4763

 86.3134, 0.3144,
0.3203

 62.8938, 0.2921,
0.5068

 88.4742, 0.3136,
0.3107

■ 61.6427, 0.2918,
0.5351

■ 60.8007, 0.2927,
0.5593

■ 60.3127, 0.2947,
0.5780

■ 60.1707, 0.2957,
0.5846

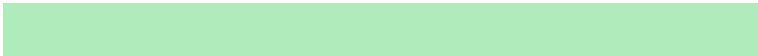
Harmonies

Analogous

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



72.8089, 0.3430, 0.4018



72.8089, 0.3029, 0.3878



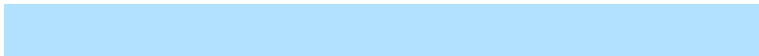
72.8089, 0.2669, 0.3543

Triad

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



72.8089, 0.3029, 0.3878



72.8089, 0.2508, 0.2658



72.8089, 0.3865, 0.3359

Complementary

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



72.8089, 0.3029, 0.3878



54.3197, 0.3244, 0.2766

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.



72.8089, 0.3586, 0.3041



72.8089, 0.3029, 0.3878



72.8089, 0.2794, 0.2650

Square

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



72.8089, 0.3029, 0.3878



72.8089, 0.2383, 0.2829



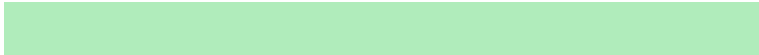
72.8089, 0.3186, 0.2788



72.8089, 0.3929, 0.3681

Rectangle

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



72.8089, 0.3029, 0.3878



72.8089, 0.2498, 0.3277



72.8089, 0.3186, 0.2788



72.8089, 0.3793, 0.3249

Sweetspot

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



72.8120, 0.3029, 0.3878



95.3073, 0.3096, 0.3457



79.1369, 0.3432, 0.3942



20.2226, 0.3090, 0.3490



0.0000, 0.0000, 0.0000



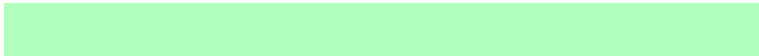
21.4041, 0.3127, 0.3290

Same Dimension

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



72.8120, 0.3029, 0.3878



84.4816, 0.3008, 0.4034



74.2339, 0.2858, 0.3511



16.9073, 0.3091, 0.3488



33.1790, 0.2951, 0.5825



2.6182, 0.2885, 0.5587

Inverse Universe

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



54.3197, 0.3244, 0.2766



58.6122, 0.3276, 0.2646



52.8236, 0.3498, 0.3081



15.2636, 0.3166, 0.3100



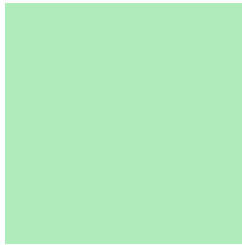
11.9630, 0.3734, 0.1831



0.9517, 0.3649, 0.1784

Previews

White Background



This preview shows how the Yxy color 72.8089, 0.3029, 0.3878 looks on a white background.

Color Contrast Check

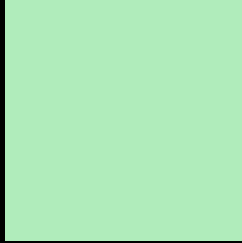
Large Text (above 18pt) WCAG AA × Fail

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 72.8089, 0.3029, 0.3878 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

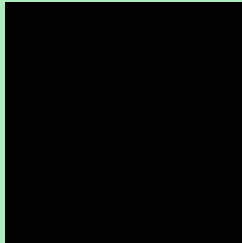
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.8089, 0.3029, 0.3878

Background



This preview shows how black text looks on a background with the Yxy color 72.8089, 0.3029, 0.3878.

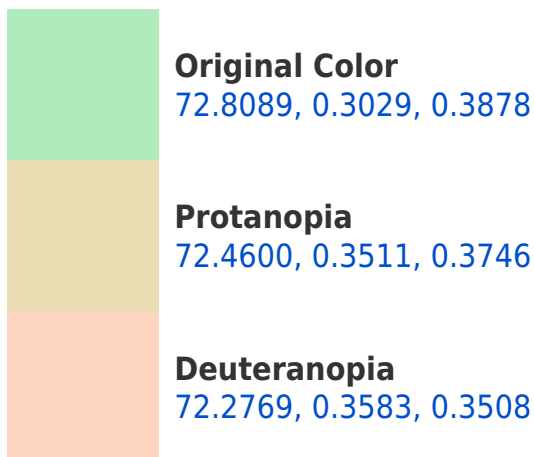


This preview shows how white text looks on a background with the Yxy color 72.8089, 0.3029, 0.3878.

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

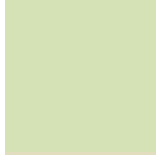
72.7054, 0.2756, 0.3089

Trichromacy



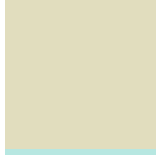
Original Color

72.8089, 0.3029, 0.3878



Protanomaly

71.9162, 0.3323, 0.3789



Deuteranomaly

71.4382, 0.3366, 0.3633



Tritanomaly

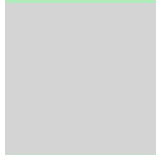
72.6554, 0.2852, 0.3358

Monochromacy



Original Color

72.8089, 0.3029, 0.3878



Achromatopsia

65.8375, 0.3127, 0.3290



Achromatomaly

68.1668, 0.3089, 0.3499

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8089, 0.3029, 0.3878 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, 236, 187)` looks like.

```
.text, #text, p{  
    color:rgb(176, 236, 187)  
}
```

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, 236, 187) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(176, 236, 187) }
```

Border

The CSS property to change the border of an element to Yxy 72.8089, 0.3029, 0.3878 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, 236, 187) }
```

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

```
.border{ border-color:rgb(176, 236, 187) }
```

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

Here you see how a box with a 4 pixel `rgb(176, 236, 187)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(176, 236, 187); -webkit-box-  
shadow:4px 4px 4px 4px rgb(176, 236, 187);  
box-shadow:4px 4px 4px 4px rgb(176, 236,  
187) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8089, 0.3029, 0.3878 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(176, 236, 187) }
```

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

```
.background{ background-color: rgb(176,  
236, 187) }
```

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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