

Converting Colors

$Yxy(72.6986, 0.2730, 0.3369)$

Have a look what the booklet for
Yxy(72.6986, 0.2730, 0.3369)
contains.

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Color

Yxy(72.9106, 0.2729, 0.3371)

Conversions

Conversions Part 1

Format	Color
Hex	A4EBE4
RGB	164, 235, 228
RGB Percent	64%, 92%, 89%
CMY	0.3567, 0.0784, 0.1059
CMYK	0.30, 0.00, 0.03, 0.08
HSL	174°, 64%, 78%
HSV	174°, 30%, 92%
XYZ	59.0249, 72.9106, 84.3522
YIQ	212.9730, -40.0690, -17.2290

Conversions

Conversions Part 2

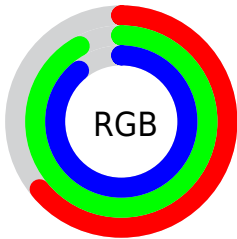
Format	Color
RYB	164, 201, 235
Decimal	10808292
CIELab	88.41, -23.44, -3.68
CIELCh	88, 23.727, 188.915
Yxy	72.9106, 0.2729, 0.3371
Android (android.graphics.Color)	4288998372 (0xFFA4EBE4)
YUV	212.9730, 7.4083, -42.9493
Hunter-Lab	85.3877, -26.0389, 1.2004

Details

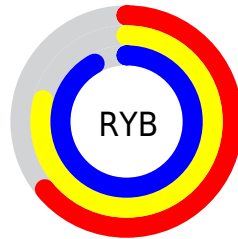
The Yxy color **72.9106, 0.2729, 0.3371** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **47.1666, 0.3739, 0.3212**, and the grayscale version is **66.4956, 0.3127, 0.3290**.

A 20% lighter version of the original color is **94.1122, 0.2923, 0.3289**, and **38.5085, 0.2632, 0.3382** is the 20% darker color. If you saturate the color by 10%, you get **70.5113, 0.2620, 0.3402**, and if you desaturate by 10%, it is **75.7795, 0.2852, 0.3342**.

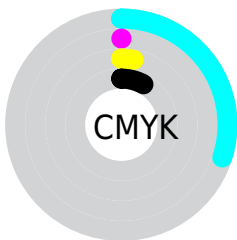
Distribution



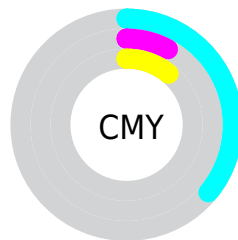
- Red (64%)
- Green (92%)
- Blue (89%)



- Red (64%)
- Yellow (79%)
- Blue (92%)



- Cyan (30%)
- Magenta (0%)
- Yellow (3%)
- Black (8%)





- Cyan (36%)
- Magenta (8%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.9106, 0.2729, 0.3371 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 72.9106, 0.2729, 0.3371 by changing the saturation by 10% instead.

 72.9106, 0.2729,
0.3371


 72.9106, 0.2729,
0.3371

470.7049, 0.2912,
0.3336

 53.9029, 0.2688,
0.3379


 123.3503, 0.2792,
0.3359

 38.5240, 0.2637,
0.3388


 155.5510, 0.2817,
0.3354

 26.3896, 0.2573,
0.3399


192.9182, 0.2838,
0.3350

 17.1154, 0.2490,
0.3413

235.8363, 0.2856,
0.3347

 10.3168, 0.2377,
0.3431

284.6896, 0.2873,
0.3343

 5.6095, 0.2218,
0.3453


339.8625, 0.2887,

 2.6091, 0.1976,


0.3340


401.7395, 0.2900,
0.3338


0.3483

 0.9312, 0.1226,
0.3656


 0.0000, 0.0000,
0.0000


 72.9106, 0.2729,
0.3371


 72.9106, 0.2729,
0.3371


 70.5113, 0.2620,
0.3402


 75.7795, 0.2852,
0.3342


 68.5473, 0.2526,
0.3434

 79.1326, 0.2984,
0.3315

 66.9936, 0.2450,
0.3468

 82.9949, 0.3124,
0.3290

 65.8189, 0.2393,
0.3502

 86.8073, 0.3248,
0.3268

■ 64.9877, 0.2356,
0.3536

■ 86.9440, 0.3233,
0.3245

■ 64.4574, 0.2338,
0.3570

■ 87.0826, 0.3218,
0.3223

■ 64.1594, 0.2334,
0.3603

■ 87.2229, 0.3204,
0.3200

■ 87.3651, 0.3189,
0.3178

■ 87.5089, 0.3174,
0.3156

Harmonies

Analogous

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



72.9106, 0.2962, 0.3626



72.9106, 0.2729, 0.3371



72.9106, 0.2603, 0.3105

Triad

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



72.9106, 0.2729, 0.3371



72.9106, 0.2988, 0.2851



72.9106, 0.3670, 0.3650

Complementary

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



72.9106, 0.2729, 0.3371



47.1666, 0.3739, 0.3212

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.



72.9106, 0.3682, 0.3434



72.9106, 0.2729, 0.3371



72.9106, 0.3278, 0.2986

Square

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



72.9106, 0.2729, 0.3371



72.9106, 0.2747, 0.2820



72.9106, 0.3536, 0.3195



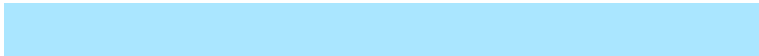
72.9106, 0.3508, 0.3782

Rectangle

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



72.9106, 0.2729, 0.3371



72.9106, 0.2592, 0.2962



72.9106, 0.3536, 0.3195



72.9106, 0.3692, 0.3584

Sweetspot

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



72.9135, 0.2729, 0.3371



95.7590, 0.3000, 0.3312



70.7707, 0.3132, 0.4163



20.3598, 0.2980, 0.3316



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.



72.9135, 0.2729, 0.3371



85.9773, 0.2662, 0.3389



58.3325, 0.2654, 0.2947



17.0947, 0.2994, 0.3313



35.7184, 0.2333, 0.3598



2.8122, 0.2320, 0.3551

Inverse Universe

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



47.1666, 0.3739, 0.3212



50.5143, 0.3914, 0.3197



58.2274, 0.3713, 0.3609



15.0782, 0.3277, 0.3267



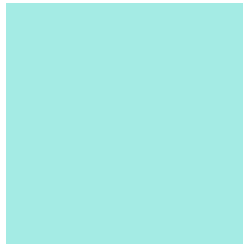
9.8731, 0.6285, 0.3236



0.7835, 0.6027, 0.3094

Previews

White Background



This preview shows how the Yxy color 72.9106, 0.2729, 0.3371 looks on a white background.

Color Contrast Check

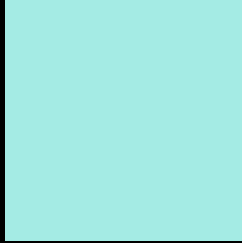
Large Text (above 18pt) WCAG AA × Fail

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 72.9106, 0.2729, 0.3371 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

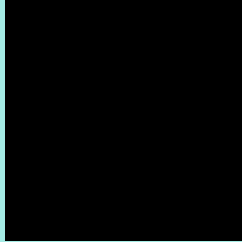
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.9106, 0.2729, 0.3371

Background



This preview shows how black text looks on a background with the Yxy color 72.9106, 0.2729, 0.3371.

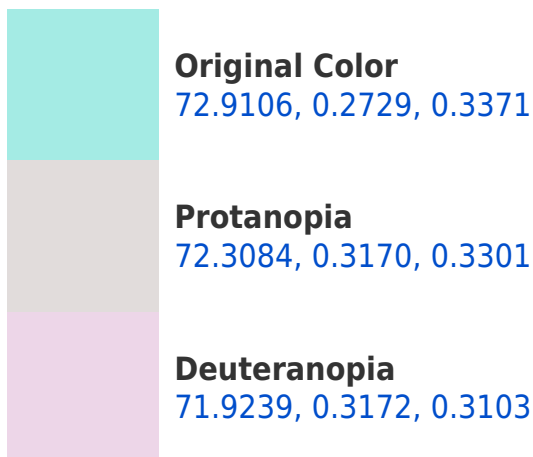


This preview shows how white text looks on a background with the Yxy color 72.9106, 0.2729, 0.3371.

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

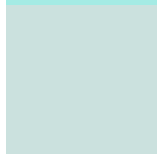
73.0504, 0.2639, 0.3085

Trichromacy



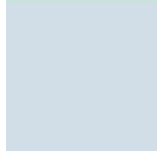
Original Color

72.9106, 0.2729, 0.3371



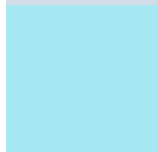
Protanomaly

71.8209, 0.2996, 0.3323



Deuteranomaly

71.7137, 0.2987, 0.3191



Tritanomaly

72.9041, 0.2670, 0.3186

Monochromacy



Original Color

72.9106, 0.2729, 0.3371



Achromatopsia

66.5387, 0.3127, 0.3290



Achromatomaly

68.3770, 0.2966, 0.3324

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.9106, 0.2729, 0.3371 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(164, 235, 228)` looks like.

```
.text, #text, p{  
    color:rgb(164, 235, 228)  
}
```

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(164, 235, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(164, 235, 228) }
```

Border

The CSS property to change the border of an element to Yxy 72.9106, 0.2729, 0.3371 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(164, 235, 228) }
```

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

```
.border{ border-color:rgb(164, 235, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(164, 235, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(164, 235, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(164, 235, 228);  
box-shadow:4px 4px 4px 4px rgb(164, 235,  
228) }
```


Background

The CSS property to change the background color of an element to $\text{Yxy } 72.9106, 0.2729, 0.3371$ is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(164, 235, 228) }
```

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

```
.background{ background-color: rgb(164,  
235, 228) }
```

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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