

Converting Colors

$Yxy(68.9399, 0.2500, 0.3288)$

Have a look what the booklet for
Yxy(68.9399, 0.2500, 0.3288)
contains.

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Color

Yxy(68.9971, 0.2499, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	7BEAEA
RGB	123, 234, 234
RGB Percent	48%, 92%, 92%
CMY	0.5178, 0.0823, 0.0823
CMYK	0.47, 0.00, 0.00, 0.08
HSL	180°, 73%, 70%
HSV	180°, 47%, 92%
XYZ	52.4403, 68.9971, 88.4078
YIQ	200.8110, -66.1560, -23.5320

Conversions

Conversions Part 2

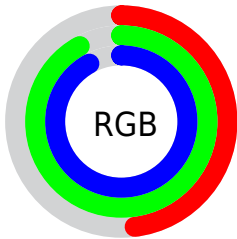
Format	Color
RYB	123, 179, 234
Decimal	8121066
CIELab	86.50, -31.73, -9.85
CIElCh	87, 33.227, 197.253
Yxy	68.9971, 0.2499, 0.3288
Android (android.graphics.Color)	4286311146 (0xFF7BEAEA)
YUV	200.8110, 16.3622, -68.2402
Hunter-Lab	83.0645, -32.6722, -4.9588

Details

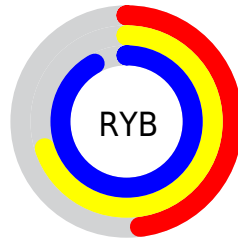
The Yxy color **68.9971, 0.2499, 0.3288** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **33.0850, 0.4440, 0.3294**, and the grayscale version is **58.2101, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.6851, 0.2711, 0.3289**, and **36.0158, 0.2357, 0.3288** is the 20% darker color. If you saturate the color by 10%, you get **67.4746, 0.2411, 0.3288**, and if you desaturate by 10%, it is **70.9374, 0.2605, 0.3288**.

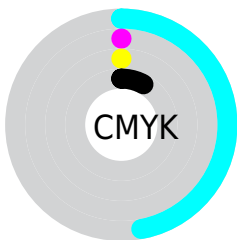
Distribution



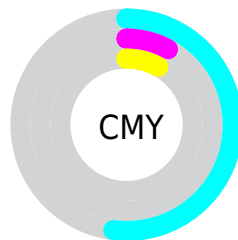
- Red (48%)
- Green (92%)
- Blue (92%)



- Red (48%)
- Yellow (70%)
- Blue (92%)



- Cyan (47%)
- Magenta (0%)
- Yellow (0%)
- Black (8%)




- Cyan (52%)
- Magenta (8%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 68.9971, 0.2499, 0.3288 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 68.9971, 0.2499, 0.3288 by changing the saturation by 10% instead.

 68.9971, 0.2499,
0.3288


 68.9971, 0.2499,
0.3288


457.0207, 0.2787,
0.3296

 50.7093, 0.2434,
0.3285


 117.7774, 0.2598,
0.3292

 35.9773, 0.2355,
0.3280


 149.0388, 0.2637,
0.3293

 24.4167, 0.2255,
0.3272


 185.3935, 0.2670,
0.3294

 15.6430, 0.2127,
0.3259

227.2259, 0.2699,
0.3295

 9.2719, 0.1956,
0.3238

274.9205, 0.2725,
0.3295

 4.9190, 0.1718,
0.3198

328.8615, 0.2748,

 2.1998, 0.1370,

0.3295

0.3115

389.4335, 0.2768,
0.3296

0.7199, 0.0000,
0.3147

0.0000, 0.0000,
0.0000

68.9971, 0.2499,
0.3288

68.9971, 0.2499,
0.3288

67.4746, 0.2411,
0.3288

70.9374, 0.2605,
0.3288

66.3320, 0.2343,
0.3288


73.3143, 0.2728,
0.3289


65.5379, 0.2294,
0.3287

76.1551, 0.2864,
0.3289

65.0527, 0.2263,
0.3287

79.4828, 0.3012,
0.3290

 64.8234, 0.2249,
0.3287

 83.3186, 0.3167,
0.3290

 64.7847, 0.2246,
0.3287

 86.0587, 0.3270,
0.3290

 86.0600, 0.3270,
0.3290

 86.0612, 0.3270,
0.3291

 86.0625, 0.3270,
0.3291

Harmonies

Analogous

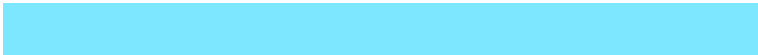
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



68.9971, 0.2785, 0.3683



68.9971, 0.2499, 0.3288



68.9971, 0.2377, 0.2926

Triad

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



68.9971, 0.2499, 0.3288



68.9971, 0.3036, 0.2719



68.9971, 0.3853, 0.3859

Complementary

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



68.9971, 0.2499, 0.3288



33.0850, 0.4440, 0.3294

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.



68.9971, 0.3940, 0.3570



68.9971, 0.2499, 0.3288



68.9971, 0.3451, 0.2937

Square

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



68.9971, 0.2499, 0.3288



68.9971, 0.2671, 0.2630



68.9971, 0.3791, 0.3239



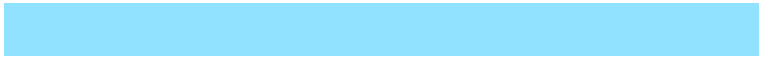
68.9971, 0.3568, 0.4017

Rectangle

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



68.9971, 0.2499, 0.3288



68.9971, 0.2397, 0.2756



68.9971, 0.3791, 0.3239



68.9971, 0.3908, 0.3772

Sweetspot

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



68.9998, 0.2499, 0.3288



93.8445, 0.2913, 0.3289



64.4934, 0.3057, 0.4789



19.9065, 0.2882, 0.3289



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.



68.9998, 0.2499, 0.3288



82.0239, 0.2413, 0.3288



42.1872, 0.2363, 0.2554



17.1217, 0.2981, 0.3290



36.3994, 0.2246, 0.3287



2.8583, 0.2247, 0.3287

Inverse Universe

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



37.5941, 0.3181, 0.2141



39.5556, 0.3190, 0.1947



50.9618, 0.4110, 0.3913



15.3138, 0.3138, 0.3058



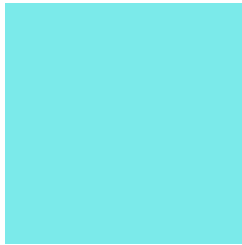
13.1674, 0.3209, 0.1542



1.0340, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 68.9971, 0.2499, 0.3288 looks on a white background.

Color Contrast Check

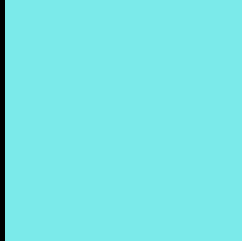
Large Text (above 18pt) WCAG AA × Fail

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 68.9971, 0.2499, 0.3288 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 68.9971, 0.2499, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 68.9971, 0.2499, 0.3288.

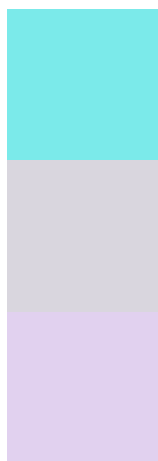


This preview shows how white text looks on a background with the Yxy color 68.9971, 0.2499, 0.3288.

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

68.9971, 0.2499, 0.3288

Protanopia

68.1188, 0.3095, 0.3202

Deuteranopia

67.8405, 0.3040, 0.2971



Tritanopia

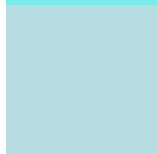
69.2045, 0.2444, 0.3074

Trichromacy



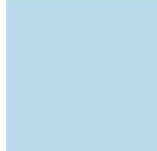
Original Color

68.9971, 0.2499, 0.3288



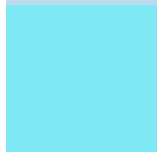
Protanomaly

67.2712, 0.2839, 0.3231



Deuteranomaly

66.9486, 0.2804, 0.3073



Tritanomaly

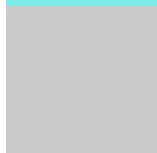
69.2451, 0.2464, 0.3156

Monochromacy



Original Color

68.9971, 0.2499, 0.3288



Achromatopsia

58.4078, 0.3127, 0.3290



Achromatomaly

61.2768, 0.2847, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 68.9971, 0.2499, 0.3288 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(123, 234, 234)` looks like.

```
.text, #text, p{  
    color:rgb(123, 234, 234)  
}
```

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(123, 234, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(123, 234, 234) }
```

Border

The CSS property to change the border of an element to Yxy 68.9971, 0.2499, 0.3288 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(123, 234, 234) }
```

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

```
.border{ border-color:rgb(123, 234, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(123, 234, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(123, 234, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(123, 234, 234);  
box-shadow:4px 4px 4px 4px rgb(123, 234,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 68.9971, 0.2499, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(123, 234, 234) }
```

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

```
.background{ background-color: rgb(123,  
234, 234) }
```

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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