

Converting Colors

$Yxy(71.9754, 0.2687, 0.3622)$

Have a look what the booklet for
Yxy(71.9754, 0.2687, 0.3622)
contains.

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Color

Yxy(71.9754, 0.2687, 0.3622)

Conversions

Conversions Part 1

Format	Color
Hex	8BEFD4
RGB	139, 239, 212
RGB Percent	55%, 94%, 83%
CMY	0.4549, 0.0627, 0.1687
CMYK	0.42, 0.00, 0.11, 0.06
HSL	164°, 76%, 74%
HSV	164°, 42%, 94%
XYZ	53.3953, 71.9754, 73.3465
YIQ	206.0220, -50.9330, -29.5970

Conversions

Conversions Part 2

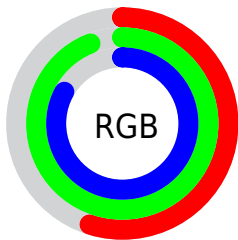
Format	Color
RYB	139, 197, 239
Decimal	9170900
CIELab	87.96, -35.53, 3.91
CIELCh	88, 35.740, 173.713
Yxy	71.9754, 0.2687, 0.3622
Android (android.graphics.Color)	4287360980 (0xFF8BEFD4)
YUV	206.0220, 2.9472, -58.7783
Hunter-Lab	84.8383, -36.1232, 8.1279

Details

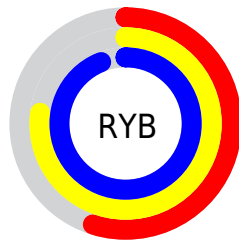
The Yxy color **71.9754, 0.2687, 0.3622** is a light color, and the websafe version is hex **99FFCC**. A complement of this color would be **39.5742, 0.3909, 0.2991**, and the grayscale version is **61.7429, 0.3127, 0.3290**.

A 20% lighter version of the original color is **90.4758, 0.2784, 0.3289**, and **38.0951, 0.2587, 0.3718** is the 20% darker color. If you saturate the color by 10%, you get **69.8212, 0.2611, 0.3717**, and if you desaturate by 10%, it is **74.5981, 0.2778, 0.3532**.

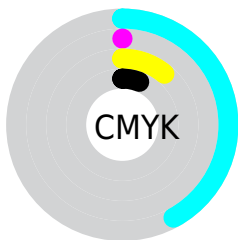
Distribution



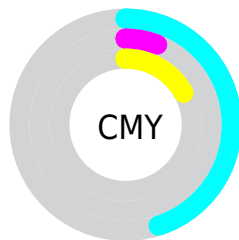
- Red (55%)
- Green (94%)
- Blue (83%)



- Red (55%)
- Yellow (77%)
- Blue (94%)



- Cyan (42%)
- Magenta (0%)
- Yellow (11%)
- Black (6%)




- Cyan (45%)
- Magenta (6%)
- Yellow (17%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.9754, 0.2687, 0.3622 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 71.9754, 0.2687, 0.3622 by changing the saturation by 10% instead.


 71.9754, 0.2687,
0.3622


 71.9754, 0.2687,
0.3622


467.4560, 0.2892,
0.3466

 53.1386, 0.2640,
0.3658

 122.0216, 0.2758,
0.3567

 37.9134, 0.2582,
0.3704


 153.9997, 0.2786,
0.3546

 25.9155, 0.2508,
0.3762


191.1270, 0.2810,
0.3528

 16.7604, 0.2412,
0.3838

233.7880, 0.2830,
0.3512

 10.0638, 0.2280,
0.3945

282.3670, 0.2848,
0.3498

 5.4413, 0.2091,
0.4101

337.2484, 0.2865,

 2.5084, 0.1797,

0.3486

398.8166, 0.2879,
0.3475

0.4353

0.8809, 0.0000,
0.5624

0.0000, 0.0000,
0.0000

71.9754, 0.2687,
0.3622

71.9754, 0.2687,
0.3622

69.8212, 0.2611,
0.3717

74.5981, 0.2778,
0.3532

68.0970, 0.2551,
0.3817


77.7078, 0.2880,
0.3449


66.7726, 0.2511,
0.3919


81.3323, 0.2990,
0.3372

65.8095, 0.2491,
0.4021


85.4948, 0.3106,
0.3302

 65.1618, 0.2490,
0.4124

 89.5451, 0.3201,
0.3239

 64.8078, 0.2502,
0.4206

 89.9452, 0.3160,
0.3177

 90.2165, 0.3134,
0.3136

Harmonies

Analogous

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



71.9754, 0.3083, 0.3959



71.9754, 0.2687, 0.3622



71.9754, 0.2419, 0.3195

Triad

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



71.9754, 0.2687, 0.3622



71.9754, 0.2717, 0.2600



71.9754, 0.3991, 0.3656

Complementary

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



71.9754, 0.2687, 0.3622



39.5742, 0.3909, 0.2991

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.



71.9754, 0.3886, 0.3309



71.9754, 0.2687, 0.3622



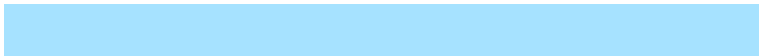
71.9754, 0.3124, 0.2727

Square

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



71.9754, 0.2687, 0.3622



71.9754, 0.2437, 0.2632



71.9754, 0.3560, 0.2979



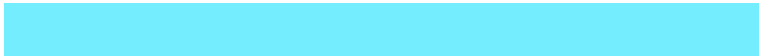
71.9754, 0.3846, 0.3942

Rectangle

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



71.9754, 0.2687, 0.3622



71.9754, 0.2340, 0.2942



71.9754, 0.3560, 0.2979



71.9754, 0.3984, 0.3543

Sweetspot

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



71.9783, 0.2687, 0.3622



93.6821, 0.2976, 0.3381



71.8535, 0.3242, 0.4520



19.8450, 0.2952, 0.3397



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.



71.9783, 0.2687, 0.3622



81.2660, 0.2622, 0.3701



61.5231, 0.2513, 0.3023



17.8518, 0.3017, 0.3355



35.8353, 0.2497, 0.4190



2.9977, 0.2460, 0.4056

Inverse Universe

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



39.5742, 0.3909, 0.2991



39.1757, 0.4154, 0.2937



45.5923, 0.4105, 0.3535



15.8290, 0.3251, 0.3226



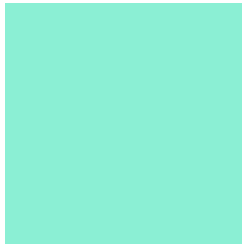
10.3682, 0.5863, 0.3004



0.8786, 0.5491, 0.2799

Previews

White Background



This preview shows how the Yxy color 71.9754, 0.2687, 0.3622 looks on a white background.

Color Contrast Check

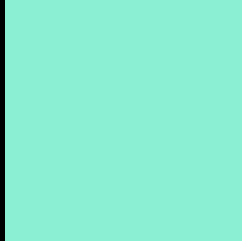
Large Text (above 18pt) WCAG AA × Fail

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 71.9754, 0.2687, 0.3622 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

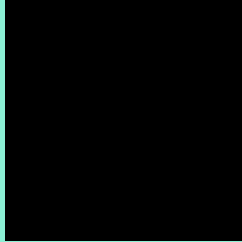
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.9754, 0.2687, 0.3622

Background



This preview shows how black text looks on a background with the Yxy color 71.9754, 0.2687, 0.3622.

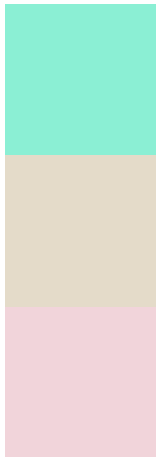


This preview shows how white text looks on a background with the Yxy color 71.9754, 0.2687, 0.3622.

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

71.9754, 0.2687, 0.3622

Protanopia

71.3741, 0.3316, 0.3487

Deuteranopia

70.8497, 0.3302, 0.3228



Tritanopia

71.6957, 0.2530, 0.3069

Trichromacy



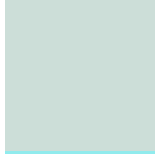
Original Color

71.9754, 0.2687, 0.3622



Protanomaly

70.5363, 0.3054, 0.3533



Deuteranomaly

70.0378, 0.3040, 0.3358



Tritanomaly

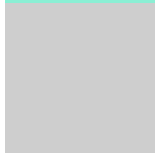
71.5508, 0.2586, 0.3265

Monochromacy



Original Color

71.9754, 0.2687, 0.3622



Achromatopsia

61.7207, 0.3127, 0.3290



Achromatomaly

64.6420, 0.2940, 0.3409

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.9754, 0.2687, 0.3622 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(139, 239, 212)` looks like.

```
.text, #text, p{  
    color:rgb(139, 239, 212)  
}
```

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(139, 239, 212) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(139, 239, 212) }
```

Border

The CSS property to change the border of an element to Yxy 71.9754, 0.2687, 0.3622 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(139, 239, 212) }
```

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

```
.border{ border-color:rgb(139, 239, 212) }
```

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

Here you see how a box with a 4 pixel `rgb(139, 239, 212)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(139, 239, 212); -webkit-box-  
shadow:4px 4px 4px 4px rgb(139, 239, 212);  
box-shadow:4px 4px 4px 4px rgb(139, 239,  
212) }
```


Background

The CSS property to change the background color of an element to Yxy 71.9754, 0.2687, 0.3622 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(139, 239, 212) }
```

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

```
.background{ background-color: rgb(139,  
239, 212) }
```

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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