

Converting Colors

$Yxy(71.1328, 0.2596, 0.3462)$

Have a look what the booklet for
Yxy(71.1328, 0.2596, 0.3462)
contains.

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Color

Yxy(71.3823, 0.2598, 0.3472)

Conversions

Conversions Part 1

Format	Color
Hex	84EEDF
RGB	132, 238, 223
RGB Percent	52%, 93%, 87%
CMY	0.4823, 0.0667, 0.1254
CMYK	0.45, 0.00, 0.06, 0.07
HSL	172°, 76%, 73%
HSV	172°, 45%, 93%
XYZ	53.4134, 71.3823, 80.7985
YIQ	204.5960, -58.3610, -27.1370

Conversions

Conversions Part 2

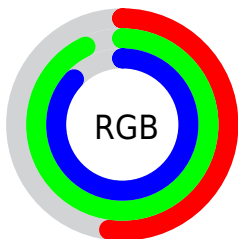
Format	Color
RYB	132, 189, 238
Decimal	8711903
CIELab	87.67, -34.24, -2.33
CIELCh	88, 34.323, 183.887
Yxy	71.3823, 0.2598, 0.3472
Android (android.graphics.Color)	4286901983 (0xFF84EEDF)
YUV	204.5960, 9.0732, -63.6667
Hunter-Lab	84.4880, -35.0063, 2.4408

Details

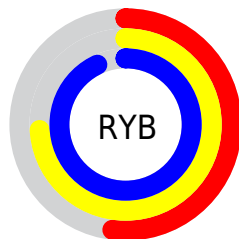
The Yxy color **71.3823, 0.2598, 0.3472** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **36.7872, 0.4145, 0.3126**, and the grayscale version is **60.7530, 0.3127, 0.3290**.

A 20% lighter version of the original color is **89.6871, 0.2752, 0.3289**, and **37.6995, 0.2477, 0.3518** is the 20% darker color. If you saturate the color by 10%, you get **69.5007, 0.2515, 0.3520**, and if you desaturate by 10%, it is **73.7108, 0.2697, 0.3426**.

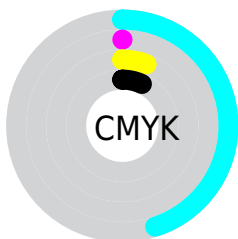
Distribution



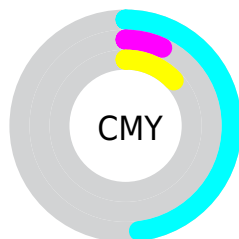
- Red (52%)
- Green (93%)
- Blue (87%)



- Red (52%)
- Yellow (74%)
- Blue (93%)



- Cyan (45%)
- Magenta (0%)
- Yellow (6%)
- Black (7%)





- Cyan (48%)
- Magenta (7%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 71.3823, 0.2598, 0.3472 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 71.3823, 0.2598, 0.3472 by changing the saturation by 10% instead.


 71.3823, 0.2598,
0.3472

 71.3823, 0.2598,
0.3472


465.3887, 0.2841,
0.3390


 52.6542, 0.2543,
0.3490


 121.1779, 0.2682,
0.3444

 37.5268, 0.2475,
0.3512


 153.0143, 0.2715,
0.3433

 25.6156, 0.2389,
0.3540


 189.9888, 0.2743,
0.3423

 16.5363, 0.2278,
0.3576

232.4860, 0.2768,
0.3415

 9.9045, 0.2129,
0.3622

280.8902, 0.2790,
0.3408

 5.3357, 0.1918,
0.3686

335.5858, 0.2809,

 2.4455, 0.1600,

0.3401

396.9572, 0.2826,
0.3395

0.3775

0.8492, 0.0000,
0.4373

0.0000, 0.0000,
0.0000

71.3823, 0.2598,
0.3472

71.3823, 0.2598,
0.3472

69.5007, 0.2515,
0.3520

73.7108, 0.2697,
0.3426

68.0272, 0.2451,
0.3570


76.5051, 0.2810,
0.3383


66.9309, 0.2406,
0.3620

79.7930, 0.2934,
0.3343

66.1721, 0.2380,
0.3670

83.5979, 0.3066,
0.3306


 65.7027, 0.2373,
0.3720


 87.9415, 0.3202,
0.3272

 65.5282, 0.2374,
0.3747

 88.8925, 0.3208,
0.3240

 89.0976, 0.3187,
0.3207

 89.3065, 0.3166,
0.3175

 89.5191, 0.3145,
0.3143

Harmonies

Analogous

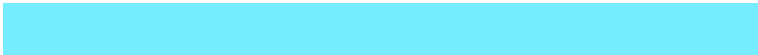
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



71.3823, 0.2947, 0.3842



71.3823, 0.2598, 0.3472



71.3823, 0.2395, 0.3070

Triad

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



71.3823, 0.2598, 0.3472



71.3823, 0.2855, 0.2649



71.3823, 0.3937, 0.3749

Complementary

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



71.3823, 0.2598, 0.3472



36.7872, 0.4145, 0.3126

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.



71.3823, 0.3919, 0.3425



71.3823, 0.2598, 0.3472



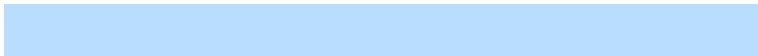
71.3823, 0.3271, 0.2817

Square

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



71.3823, 0.2598, 0.3472



71.3823, 0.2535, 0.2626



71.3823, 0.3669, 0.3093



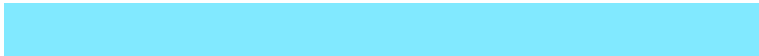
71.3823, 0.3726, 0.3983

Rectangle

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



71.3823, 0.2598, 0.3472



71.3823, 0.2360, 0.2853



71.3823, 0.3669, 0.3093



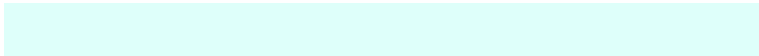
71.3823, 0.3959, 0.3647

Sweetspot

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



71.3851, 0.2598, 0.3472



93.9481, 0.2953, 0.3337



69.1027, 0.3156, 0.4646



19.9112, 0.2925, 0.3345



0.0000, 0.0000, 0.0000



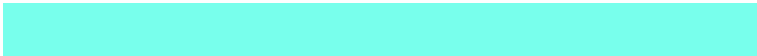
21.4041, 0.3127, 0.3290

Same Dimension

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



71.3851, 0.2598, 0.3472



81.5537, 0.2525, 0.3514



52.8070, 0.2446, 0.2820



17.8883, 0.3000, 0.3323



36.5725, 0.2372, 0.3739



3.0529, 0.2354, 0.3673

Inverse Universe

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



36.7872, 0.4145, 0.3126



36.5190, 0.4465, 0.3100



48.2581, 0.4119, 0.3706



15.7952, 0.3271, 0.3257



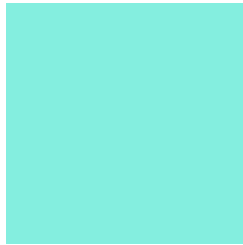
10.2153, 0.6211, 0.3195



0.8610, 0.5903, 0.3025

Previews

White Background



This preview shows how the Yxy color 71.3823, 0.2598, 0.3472 looks on a white background.

Color Contrast Check

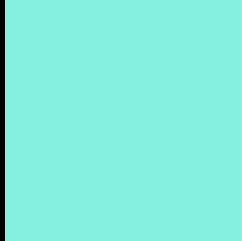
Large Text (above 18pt) WCAG AA × Fail

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 71.3823, 0.2598, 0.3472 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

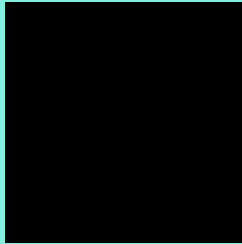
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.3823, 0.2598, 0.3472

Background



This preview shows how black text looks on a background with the Yxy color 71.3823, 0.2598, 0.3472.

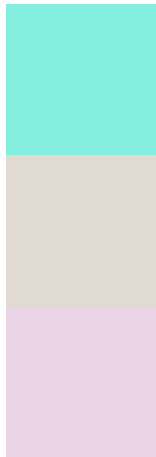


This preview shows how white text looks on a background with the Yxy color 71.3823, 0.2598, 0.3472.

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

71.3823, 0.2598, 0.3472

Protanopia

70.6932, 0.3218, 0.3367

Deuteranopia

70.4063, 0.3180, 0.3111



Tritanopia

71.4494, 0.2491, 0.3078

Trichromacy



Original Color

71.3823, 0.2598, 0.3472



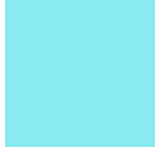
Protanomaly

69.8331, 0.2959, 0.3405



Deuteranomaly

69.2647, 0.2931, 0.3222



Tritanomaly

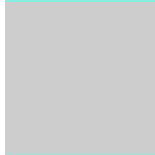
71.0859, 0.2530, 0.3217

Monochromacy



Original Color

71.3823, 0.2598, 0.3472



Achromatopsia

61.0496, 0.3127, 0.3290



Achromatomaly

63.8442, 0.2888, 0.3349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.3823, 0.2598, 0.3472 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(132, 238, 223)` looks like.

```
.text, #text, p{  
    color:rgb(132, 238, 223)  
}
```

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(132, 238, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(132, 238, 223) }
```

Border

The CSS property to change the border of an element to Yxy 71.3823, 0.2598, 0.3472 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(132, 238, 223) }
```

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

```
.border{ border-color:rgb(132, 238, 223) }
```

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

Here you see how a box with a 4 pixel `rgb(132, 238, 223)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(132, 238, 223); -webkit-box-shadow:4px 4px 4px 4px rgb(132, 238, 223); box-shadow:4px 4px 4px 4px rgb(132, 238, 223) }
```


Background

The CSS property to change the background color of an element to Yxy 71.3823, 0.2598, 0.3472 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(132, 238, 223) }
```

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

```
.background{ background-color: rgb(132,  
238, 223) }
```

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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