

Converting Colors

$Yxy(74.5973, 0.2449, 0.3576)$

Have a look what the booklet for
Yxy(74.5973, 0.2449, 0.3576)
contains.

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Color

Yxy(74.5973, 0.2449, 0.3576)

Conversions

Conversions Part 1

Format	Color
Hex	57F8E1
RGB	87, 248, 225
RGB Percent	34%, 97%, 88%
CMY	0.6587, 0.0274, 0.1177
CMYK	0.65, 0.00, 0.09, 0.03
HSL	171°, 92%, 66%
HSV	171°, 65%, 97%
XYZ	51.0875, 74.5973, 82.9207
YIQ	197.2390, -88.5730, -41.2850

Conversions

Conversions Part 2

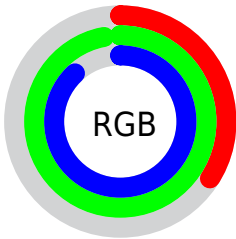
Format	Color
RYB	87, 174, 248
Decimal	5765345
CIELab	89.20, -46.93, -1.25
CIELCh	89, 46.950, 181.531
Yxy	74.5973, 0.2449, 0.3576
Android (android.graphics.Color)	4283955425 (0xFF57F8E1)
YUV	197.2390, 13.6862, -96.6796
Hunter-Lab	86.3697, -45.5647, 3.5365

Details

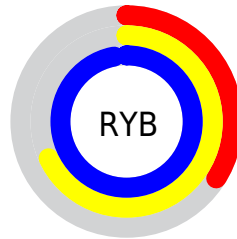
The Yxy color **74.5973, 0.2449, 0.3576** is a light color, and the websafe version is hex **33FFFF**. The color can be described as light muted cyan. A complement of this color would be **27.9066, 0.4958, 0.3079**, and the grayscale version is **55.9486, 0.3127, 0.3290**.

A 20% lighter version of the original color is **85.5123, 0.2574, 0.3288**, and **40.1639, 0.2343, 0.3636** is the 20% darker color. If you saturate the color by 10%, you get **73.4123, 0.2405, 0.3627**, and if you desaturate by 10%, it is **76.2019, 0.2513, 0.3526**.

Distribution



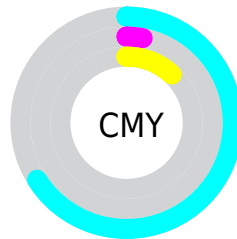
- Red (34%)
- Green (97%)
- Blue (88%)



- Red (34%)
- Yellow (68%)
- Blue (97%)



- Cyan (65%)
- Magenta (0%)
- Yellow (9%)
- Black (3%)




- Cyan (66%)
- Magenta (3%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 74.5973, 0.2449, 0.3576 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 74.5973, 0.2449, 0.3576 by changing the saturation by 10% instead.


 74.5973, 0.2449,
0.3576


 74.5973, 0.2449,
0.3576


476.5323, 0.2758,
0.3447


 55.2830, 0.2380,
0.3605


 125.7422, 0.2555,
0.3532


 39.6284, 0.2295,
0.3640

 158.3416, 0.2597,
0.3515

 27.2489, 0.2190,
0.3683


 196.1381, 0.2633,
0.3499

 17.7603, 0.2054,
0.3738

 239.5162, 0.2664,
0.3486

 10.7780, 0.1874,
0.3811

288.8603, 0.2692,
0.3475

 5.9178, 0.1625,
0.3909

344.5548, 0.2716,

 2.7951, 0.1268,

0.3464

0.4047

406.9840, 0.2738,
0.3455

■ 1.0257, 0.0000,
0.4575

■ 0.0000, 0.0000,
0.0000

■ 74.5973, 0.2449,
0.3576

■ 74.5973, 0.2449,
0.3576

■ 73.4123, 0.2405,
0.3627

■ 76.2019, 0.2513,
0.3526

■ 72.5944, 0.2381,
0.3678

■ 78.2553, 0.2595,
0.3477

■ 72.0921, 0.2375,
0.3729

■ 80.7939, 0.2693,
0.3430


■ 71.9172, 0.2376,
0.3754

■ 83.8481, 0.2806,
0.3386

 87.4457, 0.2929,
0.3345

 91.6126, 0.3061,
0.3307

 95.2877, 0.3161,
0.3273

 95.5122, 0.3140,
0.3239

 95.6174, 0.3130,
0.3223

Harmonies

Analogous

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



74.5973, 0.2917, 0.4086



74.5973, 0.2449, 0.3576



74.5973, 0.2174, 0.3018

Triad

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



74.5973, 0.2449, 0.3576



74.5973, 0.2720, 0.2443



74.5973, 0.4224, 0.3846

Complementary

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



74.5973, 0.2449, 0.3576



27.9066, 0.4958, 0.3079

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.



74.5973, 0.4183, 0.3414



74.5973, 0.2449, 0.3576



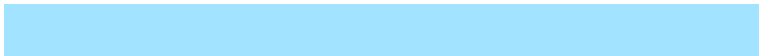
74.5973, 0.3267, 0.2647

Square

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



74.5973, 0.2449, 0.3576



74.5973, 0.2321, 0.2421



74.5973, 0.3820, 0.2991



74.5973, 0.3950, 0.4191

Rectangle

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



74.5973, 0.2449, 0.3576



74.5973, 0.2120, 0.2723



74.5973, 0.3820, 0.2991



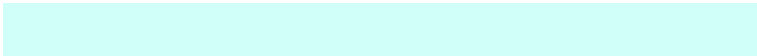
74.5973, 0.4248, 0.3706

Sweetspot

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



74.6002, 0.2449, 0.3576



91.5022, 0.2877, 0.3361



71.2173, 0.3133, 0.5329



19.3523, 0.2842, 0.3373



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.



74.6002, 0.2449, 0.3576



77.8845, 0.2395, 0.3644



46.3580, 0.2183, 0.2552



19.5634, 0.2999, 0.3324



38.8643, 0.2374, 0.3746



3.6108, 0.2357, 0.3686

Inverse Universe

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



27.9066, 0.4958, 0.3079



24.7469, 0.5537, 0.3094



40.4035, 0.4797, 0.3852



17.2657, 0.3271, 0.3256



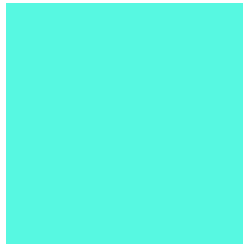
10.8596, 0.6211, 0.3195



1.0176, 0.5932, 0.3042

Previews

White Background



This preview shows how the Yxy color 74.5973, 0.2449, 0.3576 looks on a white background.

Color Contrast Check

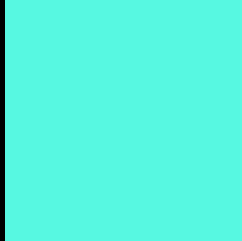
Large Text (above 18pt) WCAG AA × Fail

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 74.5973, 0.2449, 0.3576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

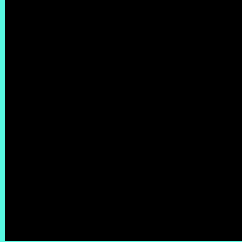
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 74.5973, 0.2449, 0.3576

Background



This preview shows how black text looks on a background with the Yxy color 74.5973, 0.2449, 0.3576.

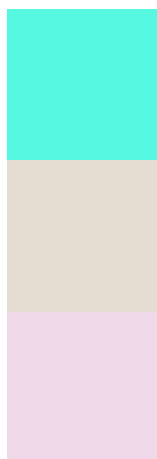


This preview shows how white text looks on a background with the Yxy color 74.5973, 0.2449, 0.3576.

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

74.5973, 0.2449, 0.3576

Protanopia

73.0241, 0.3259, 0.3409

Deuteranopia

73.2887, 0.3185, 0.3125



Tritanopia

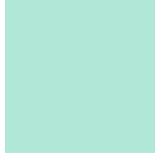
74.2714, 0.2475, 0.3103

Trichromacy



Original Color

74.5973, 0.2449, 0.3576



Protanomaly

71.4052, 0.2872, 0.3477



Deuteranomaly

71.3343, 0.2833, 0.3278



Tritanomaly

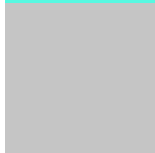
73.9579, 0.2458, 0.3264

Monochromacy



Original Color

74.5973, 0.2449, 0.3576



Achromatopsia

55.8340, 0.3127, 0.3290



Achromatomaly

60.7848, 0.2783, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 74.5973, 0.2449, 0.3576 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(87, 248, 225)` looks like.

```
.text, #text, p{  
    color:rgb(87, 248, 225)  
}
```

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(87, 248, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(87, 248, 225) }
```

Border

The CSS property to change the border of an element to Yxy 74.5973, 0.2449, 0.3576 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(87, 248, 225) }
```

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

```
.border{ border-color:rgb(87, 248, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(87, 248, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(87, 248, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(87, 248, 225);  
box-shadow:4px 4px 4px 4px rgb(87, 248,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 74.5973, 0.2449, 0.3576 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(87, 248, 225) }
```

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

```
.background{ background-color: rgb(87, 248,  
225) }
```

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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