

Converting Colors

$Yxy(71.6658, 0.2407, 0.3678)$

Have a look what the booklet for
Yxy(71.6658, 0.2407, 0.3678)
contains.

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Color

Yxy(71.6816, 0.2407, 0.3677)

Conversions

Conversions Part 1

Format	Color
Hex	37F6D8
RGB	55, 246, 216
RGB Percent	22%, 96%, 85%
CMY	0.7847, 0.0353, 0.1529
CMYK	0.78, 0.00, 0.12, 0.04
HSL	171°, 91%, 59%
HSV	171°, 78%, 96%
XYZ	46.9235, 71.6816, 76.3408
YIQ	185.4710, -104.2060, -49.8220

Conversions

Conversions Part 2

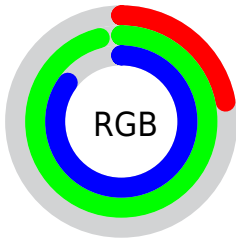
Format	Color
R_{YB}	55, 159, 246
Decimal	3667672
CIE _{Lab}	87.82, -52.31, 1.32
CIE _{LCh}	88, 52.322, 178.559
Yxy	71.6816, 0.2407, 0.3677
Android (android.graphics.Color)	4281857752 (0xFF37F6D8)
YUV	185.4710, 15.0508, -114.4231
Hunter-Lab	84.6650, -49.2345, 5.8048

Details

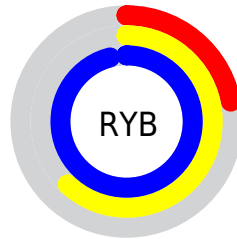
The Yxy color **71.6816, 0.2407, 0.3677** is a light color, and the websafe version is hex **66FFCC**. The color can be described as light washed cyan. A complement of this color would be **22.9716, 0.5480, 0.3070**, and the grayscale version is **48.7363, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.6455, 0.2489, 0.3288**, and **38.9684, 0.2379, 0.3764** is the 20% darker color. If you saturate the color by 10%, you get **70.9581, 0.2389, 0.3733**, and if you desaturate by 10%, it is **72.7609, 0.2444, 0.3620**.

Distribution



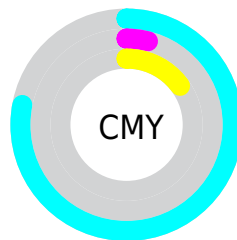
- Red (22%)
- Green (96%)
- Blue (85%)



- Red (22%)
- Yellow (62%)
- Blue (96%)



- Cyan (78%)
- Magenta (0%)
- Yellow (12%)
- Black (4%)





- Cyan (78%)
- Magenta (4%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 71.6816, 0.2407, 0.3677 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 71.6816, 0.2407, 0.3677 by changing the saturation by 10% instead.

 71.6816, 0.2407,
0.3677


 71.6816, 0.2407,
0.3677

466.4326, 0.2738,
0.3498

 52.8986, 0.2332,
0.3718


 121.6037, 0.2521,
0.3615


 37.7218, 0.2240,
0.3768


 153.5117, 0.2566,
0.3591

 25.7669, 0.2125,
0.3831


 190.5634, 0.2605,
0.3570

 16.6493, 0.1976,
0.3914

 233.1433, 0.2638,
0.3552

 9.9848, 0.1777,
0.4025

281.6358, 0.2668,
0.3536

 5.3889, 0.1502,
0.4180

336.4253, 0.2694,

 2.4772, 0.1069,

0.3522

0.4429

397.8961, 0.2717,
0.3509

0.8652, 0.0000,
0.5044

0.0000, 0.0000,
0.0000

71.6816, 0.2407,
0.3677

71.6816, 0.2407,
0.3677

70.9581, 0.2389,
0.3733

72.7609, 0.2444,
0.3620


70.5216, 0.2388,
0.3789

74.2331, 0.2502,
0.3565


70.4407, 0.2390,
0.3802


76.1394, 0.2578,
0.3510

78.5138, 0.2671,
0.3458

 81.3868, 0.2778,
0.3408

 84.7863, 0.2897,
0.3362

 88.7382, 0.3025,
0.3320

 93.2666, 0.3158,
0.3281

 94.1260, 0.3156,
0.3244

Harmonies

Analogous

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



71.6816, 0.2943, 0.4244



71.6816, 0.2407, 0.3677



71.6816, 0.2082, 0.3031

Triad

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



71.6816, 0.2407, 0.3677



71.6816, 0.2614, 0.2336



71.6816, 0.4373, 0.3853

Complementary

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



71.6816, 0.2407, 0.3677



22.9716, 0.5480, 0.3070

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.



71.6816, 0.4294, 0.3370



71.6816, 0.2407, 0.3677



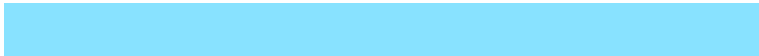
71.6816, 0.3216, 0.2544

Square

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



71.6816, 0.2407, 0.3677



71.6816, 0.2195, 0.2330



71.6816, 0.3853, 0.2909



71.6816, 0.4089, 0.4265

Rectangle

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



71.6816, 0.2407, 0.3677



71.6816, 0.2007, 0.2689



71.6816, 0.3853, 0.2909



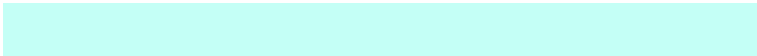
71.6816, 0.4391, 0.3694

Sweetspot

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



71.6844, 0.2407, 0.3677



89.9441, 0.2832, 0.3387



68.2053, 0.3115, 0.5658



18.9759, 0.2790, 0.3404



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.



71.6844, 0.2407, 0.3677



76.6980, 0.2387, 0.3764



41.0453, 0.2067, 0.2424



18.7105, 0.3002, 0.3327



37.6133, 0.2387, 0.3793



3.3176, 0.2367, 0.3723

Inverse Universe

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



22.9716, 0.5480, 0.3070



21.9642, 0.6042, 0.3149



32.9689, 0.5274, 0.3843



16.5249, 0.3269, 0.3253



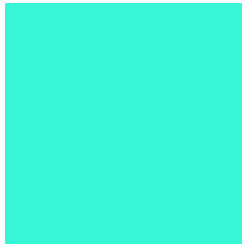
10.5477, 0.6180, 0.3178



0.9393, 0.5873, 0.3009

Previews

White Background



This preview shows how the Yxy color 71.6816, 0.2407, 0.3677 looks on a white background.

Color Contrast Check

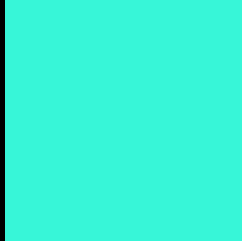
Large Text (above 18pt) WCAG AA × Fail

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 71.6816, 0.2407, 0.3677 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

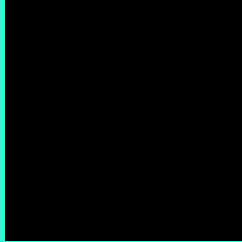
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 71.6816, 0.2407, 0.3677

Background



This preview shows how black text looks on a background with the Yxy color 71.6816, 0.2407, 0.3677.



This preview shows how white text looks on a background with the Yxy color 71.6816, 0.2407, 0.3677.

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

71.6816, 0.2407, 0.3677

Protanopia

69.9646, 0.3310, 0.3477

Deuteranopia

69.9749, 0.3230, 0.3153



Tritanopia

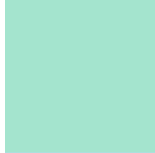
71.0396, 0.2364, 0.3074

Trichromacy



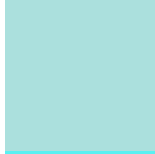
Original Color

71.6816, 0.2407, 0.3677



Protanomaly

67.8355, 0.2842, 0.3558



Deuteranomaly

67.1897, 0.2796, 0.3325



Tritanomaly

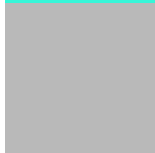
70.7949, 0.2367, 0.3275

Monochromacy



Original Color

71.6816, 0.2407, 0.3677



Achromatopsia

48.5150, 0.3127, 0.3290



Achromatomaly

54.0144, 0.2721, 0.3437

CSS Examples

Text

The CSS property to change the color of the text to Yxy 71.6816, 0.2407, 0.3677 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(55, 246, 216)` looks like.

```
.text, #text, p{  
    color:rgb(55, 246, 216)  
}
```

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(55, 246, 216) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(55, 246, 216) }
```

Border

The CSS property to change the border of an element to Yxy 71.6816, 0.2407, 0.3677 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(55, 246, 216) }
```

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

```
.border{ border-color:rgb(55, 246, 216) }
```

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

Here you see how a box with a 4 pixel `rgb(55, 246, 216)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(55, 246, 216); -webkit-box-  
shadow:4px 4px 4px 4px rgb(55, 246, 216);  
box-shadow:4px 4px 4px 4px rgb(55, 246,  
216) }
```


Background

The CSS property to change the background color of an element to Yxy 71.6816, 0.2407, 0.3677 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(55, 246, 216) }
```

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

```
.background{ background-color: rgb(55, 246,  
216) }
```

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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