

Converting Colors

$Yxy(72.6629, 0.2433, 0.3216)$

Have a look what the booklet for
Yxy(72.6629, 0.2433, 0.3216)
contains.

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Color

Yxy(72.6870, 0.2433, 0.3216)

Conversions

Conversions Part 1

Format	Color
Hex	74F0F6
RGB	116, 240, 246
RGB Percent	45%, 94%, 96%
CMY	0.5455, 0.0588, 0.0352
CMYK	0.53, 0.02, 0.00, 0.04
HSL	183°, 88%, 71%
HSV	183°, 53%, 96%
XYZ	54.9899, 72.6870, 98.3399
YIQ	203.6080, -75.8300, -24.4220

Conversions

Conversions Part 2

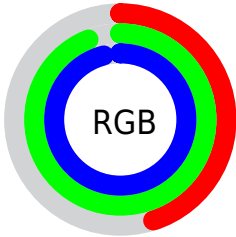
Format	Color
R_{YB}	116, 179, 246
Decimal	7663862
CIE _{Lab}	88.30, -32.93, -13.50
CIE _{LCh}	88, 35.590, 202.291
Yxy	72.6870, 0.2433, 0.3216
Android (android.graphics.Color)	4285853942 (0xFF74F0F6)
YUV	203.6080, 20.8993, -76.8322
Hunter-Lab	85.2567, -34.0681, -8.7088

Details

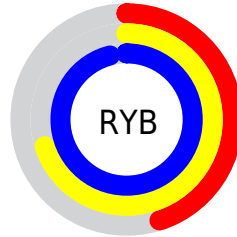
The Yxy color **72.6870, 0.2433, 0.3216** is a light color, and the websafe version is hex **99FFFF**. A complement of this color would be **34.7545, 0.4647, 0.3357**, and the grayscale version is **60.0122, 0.3127, 0.3290**.

A 20% lighter version of the original color is **88.0871, 0.2686, 0.3289**, and **38.5795, 0.2281, 0.3192** is the 20% darker color. If you saturate the color by 10%, you get **70.5556, 0.2350, 0.3200**, and if you desaturate by 10%, it is **75.2744, 0.2535, 0.3231**.

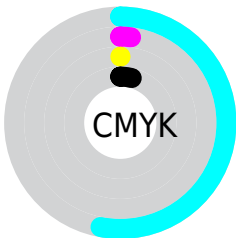
Distribution



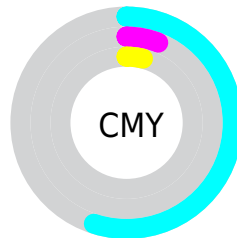
- Red (45%)
- Green (94%)
- Blue (96%)



- Red (45%)
- Yellow (70%)
- Blue (96%)



- Cyan (53%)
- Magenta (2%)
- Yellow (0%)
- Black (4%)




- Cyan (55%)
- Magenta (6%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.6870, 0.2433, 0.3216 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 72.6870, 0.2433, 0.3216 by changing the saturation by 10% instead.

 72.6870, 0.2433,
0.3216


 72.6870, 0.2433,
0.3216


469.9293, 0.2746,
0.3259

 53.7201, 0.2364,
0.3204


 123.0328, 0.2540,
0.3232

 38.3779, 0.2279,
0.3189


 155.1804, 0.2582,
0.3238

 26.2761, 0.2174,
0.3168


 192.4904, 0.2619,
0.3243

 17.0303, 0.2040,
0.3137

235.3471, 0.2650,
0.3247

 10.2561, 0.1865,
0.3092

284.1349, 0.2679,
0.3251

 5.5691, 0.1626,
0.3019

339.2383, 0.2704,

 2.5849, 0.1288,

0.3254

0.2887

401.0416, 0.2726,
0.3257

0.9191, 0.0210,
0.2784

0.0000, 0.0000,
0.0000

72.6870, 0.2433,
0.3216

72.6870, 0.2433,
0.3216

70.5556, 0.2350,
0.3200

75.2744, 0.2535,
0.3231

68.8357, 0.2287,
0.3185

78.3415, 0.2653,
0.3246


67.4884, 0.2243,
0.3169

81.9204, 0.2785,
0.3261

66.4631, 0.2217,
0.3154


86.0379, 0.2930,
0.3274


 65.8764, 0.2206,
0.3143

 90.7190, 0.3082,
0.3287

 94.3354, 0.3184,
0.3298

 95.0322, 0.3184,
0.3309

 95.7333, 0.3183,
0.3320

 96.4386, 0.3182,
0.3331

Harmonies

Analogous

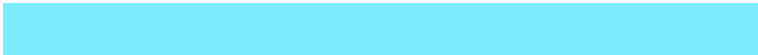
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



72.6870, 0.2707, 0.3639



72.6870, 0.2433, 0.3216



72.6870, 0.2338, 0.2854

Triad

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



72.6870, 0.2433, 0.3216



72.6870, 0.3104, 0.2721



72.6870, 0.3852, 0.3927

Complementary

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



72.6870, 0.2433, 0.3216



34.7545, 0.4647, 0.3357

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.



72.6870, 0.3985, 0.3638



72.6870, 0.2433, 0.3216



72.6870, 0.3538, 0.2967

Square

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



72.6870, 0.2433, 0.3216



72.6870, 0.2704, 0.2603



72.6870, 0.3870, 0.3293



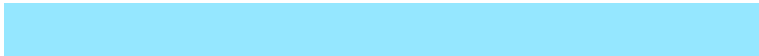
72.6870, 0.3525, 0.4064

Rectangle

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



72.6870, 0.2433, 0.3216



72.6870, 0.2380, 0.2694



72.6870, 0.3870, 0.3293



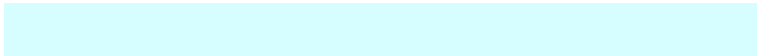
72.6870, 0.3922, 0.3842

Sweetspot

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



72.6898, 0.2433, 0.3216



91.8693, 0.2883, 0.3270



70.9955, 0.3029, 0.4937



19.4645, 0.2853, 0.3267



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.



72.6898, 0.2433, 0.3216



76.4933, 0.2348, 0.3200



41.6589, 0.2265, 0.2390



18.6188, 0.2981, 0.3279



35.2131, 0.2207, 0.3145



3.1347, 0.2212, 0.3164

Inverse Universe

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



38.3580, 0.3242, 0.2073



36.0789, 0.3265, 0.1895



55.6805, 0.4232, 0.4023



16.7543, 0.3145, 0.3067



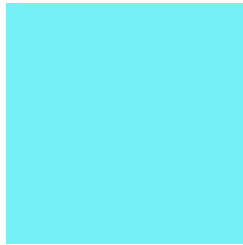
13.6542, 0.3328, 0.1607



1.2041, 0.3312, 0.1598

Previews

White Background



This preview shows how the Yxy color 72.6870, 0.2433, 0.3216 looks on a white background.

Color Contrast Check

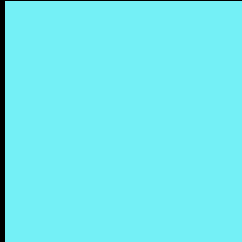
Large Text (above 18pt) WCAG AA × Fail

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 72.6870, 0.2433, 0.3216 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

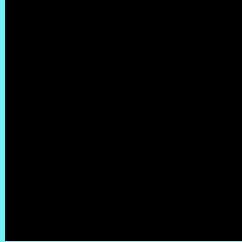
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 72.6870, 0.2433, 0.3216

Background



This preview shows how black text looks on a background with the Yxy color 72.6870, 0.2433, 0.3216.

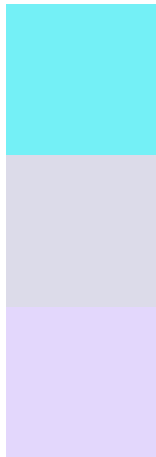


This preview shows how white text looks on a background with the Yxy color 72.6870, 0.2433, 0.3216.

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

72.6870, 0.2433, 0.3216

Protanopia

71.7619, 0.3043, 0.3139

Deuteranopia

71.9600, 0.2970, 0.2906



Tritanopia

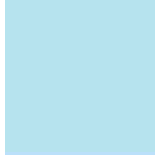
72.6137, 0.2446, 0.3078

Trichromacy



Original Color

72.6870, 0.2433, 0.3216



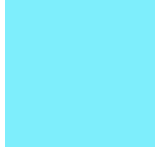
Protanomaly

71.0563, 0.2769, 0.3164



Deuteranomaly

70.7782, 0.2730, 0.3000



Tritanomaly

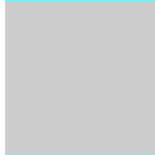
72.6130, 0.2441, 0.3123

Monochromacy



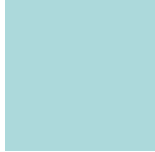
Original Color

72.6870, 0.2433, 0.3216



Achromatopsia

60.3827, 0.3127, 0.3290



Achromatomaly

63.5108, 0.2808, 0.3265

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.6870, 0.2433, 0.3216 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(116, 240, 246)` looks like.

```
.text, #text, p{  
    color:rgb(116, 240, 246)  
}
```

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(116, 240, 246) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(116, 240, 246) }
```

Border

The CSS property to change the border of an element to Yxy 72.6870, 0.2433, 0.3216 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(116, 240, 246) }
```

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

```
.border{ border-color:rgb(116, 240, 246) }
```

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

Here you see how a box with a 4 pixel `rgb(116, 240, 246)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(116, 240, 246); -webkit-box-  
shadow:4px 4px 4px 4px rgb(116, 240, 246);  
box-shadow:4px 4px 4px 4px rgb(116, 240,  
246) }
```


Background

The CSS property to change the background color of an element to Yxy 72.6870, 0.2433, 0.3216 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(116, 240, 246) }
```

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

```
.background{ background-color: rgb(116,  
240, 246) }
```

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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