

Converting Colors

$Y_{xy}(72.6378, 0.2303, 0.3221)$

Have a look what the booklet for
Yxy(72.6378, 0.2303, 0.3221)
contains.

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Color

Yxy(72.8805, 0.2304, 0.3227)

Conversions

Conversions Part 1

Format	Color
Hex	47F4F9
RGB	71, 244, 249
RGB Percent	28%, 96%, 98%
CMY	0.7223, 0.0431, 0.0236
CMYK	0.72, 0.02, 0.00, 0.02
HSL	182°, 94%, 63%
HSV	182°, 72%, 98%
XYZ	52.0349, 72.8805, 100.9306
YIQ	192.8430, -104.7130, -35.1210

Conversions

Conversions Part 2

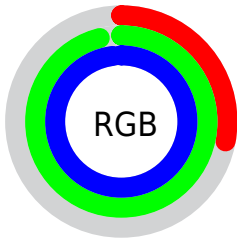
Format	Color
R _Y B	71, 159, 249
Decimal	4715769
CIE Lab	88.39, -40.93, -15.02
CIE LCh	88, 43.600, 200.156
Yxy	72.8805, 0.2304, 0.3227
Android (android.graphics.Color)	4282905849 (0xFF47F4F9)
YUV	192.8430, 27.6854, -106.8563
Hunter-Lab	85.3701, -40.5980, -10.3378

Details

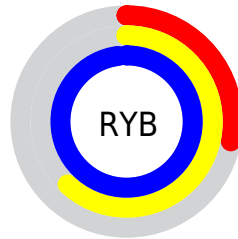
The Yxy color **72.8805, 0.2304, 0.3227** is a light color, and the websafe version is hex **66FFFF**. The color can be described as light washed cyan. A complement of this color would be **25.7275, 0.5544, 0.3336**, and the grayscale version is **53.0829, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.6693, 0.2536, 0.3288**, and **39.3909, 0.2220, 0.3192** is the 20% darker color. If you saturate the color by 10%, you get **71.7128, 0.2260, 0.3218**, and if you desaturate by 10%, it is **74.4401, 0.2368, 0.3237**.

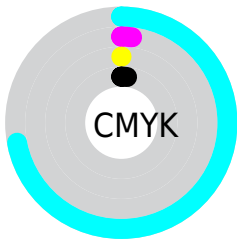
Distribution



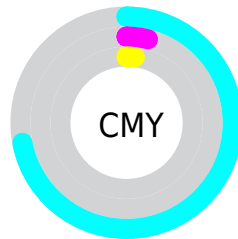
- Red (28%)
- Green (96%)
- Blue (98%)



- Red (28%)
- Yellow (62%)
- Blue (98%)



- Cyan (72%)
- Magenta (2%)
- Yellow (0%)
- Black (2%)





- Cyan (72%)
- Magenta (4%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 72.8805, 0.2304, 0.3227 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 72.8805, 0.2304, 0.3227 by changing the saturation by 10% instead.


 72.8805, 0.2304,
0.3227


 72.8805, 0.2304,
0.3227

470.6005, 0.2673,
0.3268


 53.8783, 0.2223,
0.3215


 123.3075, 0.2429,
0.3244

 38.5043, 0.2125,
0.3198


 155.5011, 0.2479,
0.3249

 26.3744, 0.2004,
0.3176


 192.8606, 0.2522,
0.3254

 17.1039, 0.1851,
0.3142

 235.7704, 0.2560,
0.3258

 10.3086, 0.1652,
0.3091

284.6149, 0.2593,
0.3261

 5.6040, 0.1388,
0.3007

339.7785, 0.2623,

 2.6058, 0.1029,

0.3264

0.2854

401.6456, 0.2649,
0.3266

■ 0.9296, 0.0000,
0.2686

■ 0.0000, 0.0000,
0.0000

■ 72.8805, 0.2304,
0.3227

■ 72.8805, 0.2304,
0.3227

■ 71.7128, 0.2260,
0.3218

■ 74.4401, 0.2368,
0.3237

■ 70.8784, 0.2234,
0.3208


■ 76.4256, 0.2451,
0.3246

■ 70.3695, 0.2223,
0.3201


■ 78.8763, 0.2553,
0.3255


■ 81.8247, 0.2671,
0.3264

 85.3006, 0.2805,
0.3273

 89.3313, 0.2949,
0.3281

 93.9424, 0.3103,
0.3289

 96.2006, 0.3165,
0.3296

 96.6315, 0.3165,
0.3302

Harmonies

Analogous

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



72.8805, 0.2642, 0.3756



72.8805, 0.2304, 0.3227



72.8805, 0.2178, 0.2777

Triad

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



72.8805, 0.2304, 0.3227



72.8805, 0.3056, 0.2592



72.8805, 0.4028, 0.4034

Complementary

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



72.8805, 0.2304, 0.3227



25.7275, 0.5544, 0.3336

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.



72.8805, 0.4177, 0.3668



72.8805, 0.2304, 0.3227



72.8805, 0.3591, 0.2874

Square

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



72.8805, 0.2304, 0.3227



72.8805, 0.2582, 0.2462



72.8805, 0.4017, 0.3255



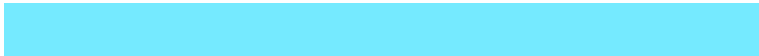
72.8805, 0.3637, 0.4236

Rectangle

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



72.8805, 0.2304, 0.3227



72.8805, 0.2218, 0.2580



72.8805, 0.4017, 0.3255



72.8805, 0.4110, 0.3924

Sweetspot

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



72.8832, 0.2304, 0.3227



90.2719, 0.2812, 0.3274



69.5639, 0.3012, 0.5559



19.0906, 0.2774, 0.3271



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.



72.8832, 0.2304, 0.3227



75.2736, 0.2246, 0.3213



32.2612, 0.2006, 0.2040



19.5207, 0.2980, 0.3283



37.7113, 0.2223, 0.3202



3.5182, 0.2226, 0.3213

Inverse Universe

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



31.1522, 0.3249, 0.1756



29.3364, 0.3268, 0.1626



46.7365, 0.4750, 0.4167



17.5157, 0.3142, 0.3063



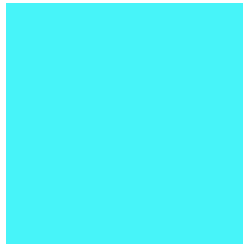
14.2179, 0.3280, 0.1581



1.3194, 0.3271, 0.1576

Previews

White Background



This preview shows how the Yxy color 72.8805, 0.2304, 0.3227 looks on a white background.

Color Contrast Check

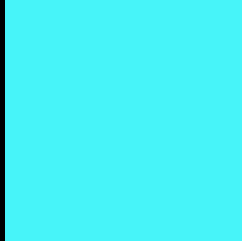
Large Text (above 18pt) WCAG AA × Fail

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 72.8805, 0.2304, 0.3227 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

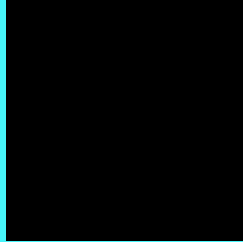
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

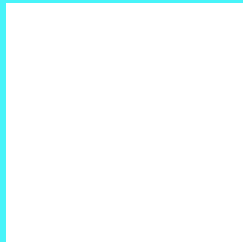
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 72.8805, 0.2304, 0.3227

Background



This preview shows how black text looks on a background with the Yxy color 72.8805, 0.2304, 0.3227.

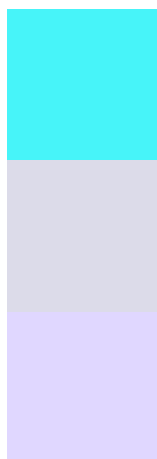


This preview shows how white text looks on a background with the Yxy color 72.8805, 0.2304, 0.3227.

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

72.8805, 0.2304, 0.3227

Protanopia

71.7619, 0.3043, 0.3139

Deuteranopia

71.6682, 0.2931, 0.2874



Tritanopia

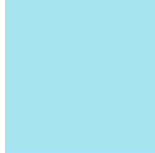
72.2910, 0.2402, 0.3088

Trichromacy



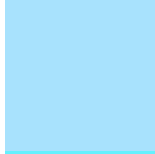
Original Color

72.8805, 0.2304, 0.3227



Protanomaly

69.8258, 0.2673, 0.3161



Deuteranomaly

69.8094, 0.2609, 0.2982



Tritanomaly

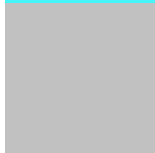
72.1787, 0.2355, 0.3132

Monochromacy



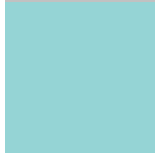
Original Color

72.8805, 0.2304, 0.3227



Achromatopsia

53.3276, 0.3127, 0.3290



Achromatomaly

58.2806, 0.2695, 0.3276

CSS Examples

Text

The CSS property to change the color of the text to Yxy 72.8805, 0.2304, 0.3227 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(71, 244, 249)` looks like.

```
.text, #text, p{  
    color:rgb(71, 244, 249)  
}
```

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(71, 244, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(71, 244, 249) }
```

Border

The CSS property to change the border of an element to Yxy 72.8805, 0.2304, 0.3227 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(71, 244, 249) }
```

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

```
.border{ border-color:rgb(71, 244, 249) }
```

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

Here you see how a box with a 4 pixel `rgb(71, 244, 249)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(71, 244, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(71, 244, 249);  
box-shadow:4px 4px 4px 4px rgb(71, 244,  
249) }
```


Background

The CSS property to change the background color of an element to Yxy 72.8805, 0.2304, 0.3227 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(71, 244, 249) }
```

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

```
.background{ background-color: rgb(71, 244,  
249) }
```

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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