

Converting Colors

$Y_{xy}(47.7225, 0.2100, 0.2758)$

Have a look what the booklet for
Yxy(47.7225, 0.2100, 0.2758)
contains.

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Color

Yxy(47.5470, 0.2099, 0.2753)

Conversions

Conversions Part 1

Format	Color
Hex	02C8EF
RGB	2, 200, 239
RGB Percent	1%, 78%, 94%
CMY	0.9926, 0.2157, 0.0628
CMYK	0.99, 0.16, 0.00, 0.06
HSL	190°, 98%, 47%
HSV	190°, 99%, 94%
XYZ	36.2518, 47.5470, 88.9110
YIQ	145.2440, -130.5270, -29.8470

Conversions

Conversions Part 2

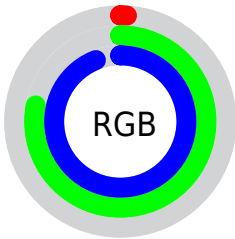
Format	Color
R _Y B	2, 110, 239
Decimal	182511
CIE Lab	74.54, -27.65, -30.84
CIE LCh	75, 41.415, 228.122
Yxy	47.5470, 0.2099, 0.2753
Android (android.graphics.Color)	4278372591 (0xFF02C8EF)
YUV	145.2440, 46.2217, -125.6250
Hunter-Lab	68.9543, -26.8262, -28.1816

Details

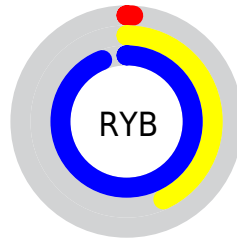
The Yxy color **47.5470, 0.2099, 0.2753** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **19.9282, 0.6242, 0.3418**, and the grayscale version is **28.2508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **23.9767, 0.2063, 0.2628** is the 20% darker color. If you saturate the color by 10%, you get **47.3930, 0.2097, 0.2748**, and if you desaturate by 10%, it is **49.5969, 0.2130, 0.2812**.

Distribution



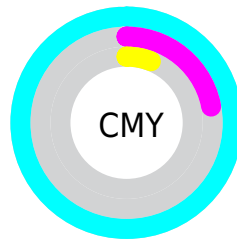
- Red (1%)
- Green (78%)
- Blue (94%)



- Red (1%)
- Yellow (43%)
- Blue (94%)



- Cyan (99%)
- Magenta (16%)
- Yellow (0%)
- Black (6%)




- Cyan (99%)
- Magenta (22%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.5470, 0.2099, 0.2753 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 47.5470, 0.2099, 0.2753 by changing the saturation by 10% instead.


 47.5470, 0.2099,
0.2753


 47.5470, 0.2099,
0.2753


 376.9937, 0.2585,
0.3032

 33.4683, 0.1988,
0.2682


 86.5295, 0.2269,
0.2856

 22.4854, 0.1850,
0.2591


 112.2022, 0.2334,
0.2894

 14.2140, 0.1679,
0.2471


 142.5082, 0.2391,
0.2926

 8.2697, 0.1459,
0.2307

 177.8321, 0.2440,
0.2953

 4.2680, 0.1175,
0.2072

 218.5582, 0.2483,
0.2977

 1.8246, 0.0807,
0.1721

 265.0709, 0.2521,

 0.5024, 0.0000,

0.2998

0.1127

317.7546, 0.2555,
0.3016

■ 0.0000, 0.0000,
0.0000

■ 47.5470, 0.2099,
0.2753

■ 47.5470, 0.2099,
0.2753

■ 47.3930, 0.2097,
0.2748

■ 49.5969, 0.2130,
0.2812

■ 51.9409, 0.2177,
0.2871

■ 54.6483, 0.2244,
0.2930

■ 57.7628, 0.2331,
0.2989

■ 61.3214, 0.2436,
0.3047

■ 65.3564, 0.2556,
0.3103

■ 69.8972, 0.2690,
0.3156

■ 74.9703, 0.2834,
0.3206

■ 80.6003, 0.2985,
0.3251

Harmonies

Analogous

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



47.5470, 0.2249, 0.3255



47.5470, 0.2099, 0.2753



47.5470, 0.2188, 0.2460

Triad

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



47.5470, 0.2099, 0.2753



47.5470, 0.3596, 0.2813



47.5470, 0.3713, 0.4320

Complementary

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



47.5470, 0.2099, 0.2753



19.9282, 0.6242, 0.3418

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.



47.5470, 0.4129, 0.4072



47.5470, 0.2099, 0.2753



47.5470, 0.4079, 0.3217

Square

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



47.5470, 0.2099, 0.2753



47.5470, 0.3008, 0.2519



47.5470, 0.4276, 0.3663



47.5470, 0.3161, 0.4257

Rectangle

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



47.5470, 0.2099, 0.2753



47.5470, 0.2374, 0.2389



47.5470, 0.4276, 0.3663



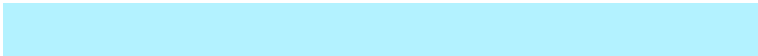
47.5470, 0.3874, 0.4265

Sweetspot

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



47.5487, 0.2099, 0.2753



80.4995, 0.2678, 0.3151



61.8693, 0.2969, 0.5882



16.7429, 0.2620, 0.3129



0.0000, 0.0000, 0.0000



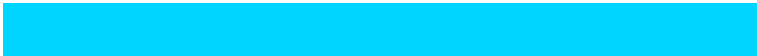
21.4041, 0.3127, 0.3290

Same Dimension

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



47.5487, 0.2099, 0.2753



54.8439, 0.2096, 0.2746



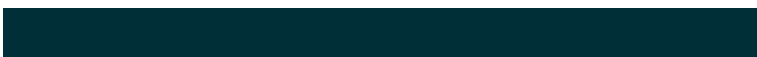
12.7193, 0.1643, 0.1109



17.4606, 0.2981, 0.3250



26.3611, 0.2099, 0.2758



2.3096, 0.2121, 0.2835

Inverse Universe

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



22.5579, 0.3678, 0.1802



26.0677, 0.3685, 0.1803



42.1270, 0.4983, 0.4421



15.9842, 0.3163, 0.3095



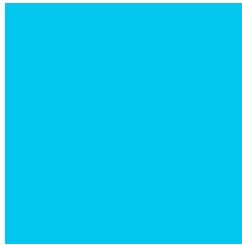
12.4545, 0.3674, 0.1798



1.0479, 0.3602, 0.1758

Previews

White Background



This preview shows how the Yxy color 47.5470, 0.2099, 0.2753 looks on a white background.

Color Contrast Check

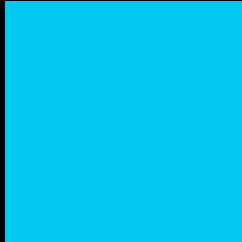
Large Text (above 18pt) WCAG AA × Fail

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 47.5470, 0.2099, 0.2753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

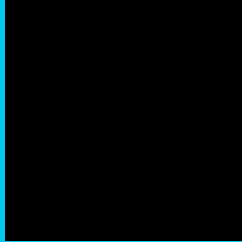
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.5470, 0.2099, 0.2753

Background



This preview shows how black text looks on a background with the Yxy color 47.5470, 0.2099, 0.2753.



This preview shows how white text looks on a background with the Yxy color 47.5470, 0.2099, 0.2753.

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

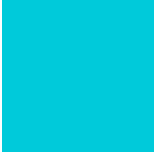
47.5535, 0.2099, 0.2753

Protanopia

46.8494, 0.2735, 0.2730

Deuteranopia

46.7712, 0.2567, 0.2503



Tritanopia

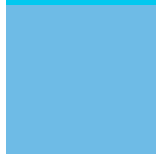
47.3030, 0.2182, 0.3057

Trichromacy



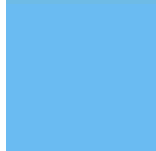
Original Color

47.5535, 0.2099, 0.2753



Protanomaly

44.5688, 0.2340, 0.2710



Deuteranomaly

45.0156, 0.2266, 0.2567



Tritanomaly

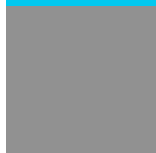
47.2707, 0.2149, 0.2933

Monochromacy



Original Color

47.5535, 0.2099, 0.2753



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.4921, 0.2460, 0.3061

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.5470, 0.2099, 0.2753 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(2, 200, 239)` looks like.

```
.text, #text, p{  
    color:rgb(2, 200, 239)  
}
```

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(2, 200, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 200, 239) }
```

Border

The CSS property to change the border of an element to Yxy 47.5470, 0.2099, 0.2753 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(2, 200, 239) }
```

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

```
.border{ border-color:rgb(2, 200, 239) }
```

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

Here you see how a box with a 4 pixel rgb(2, 200, 239) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 200, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 200, 239);  
box-shadow:4px 4px 4px 4px rgb(2, 200,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5470, 0.2099, 0.2753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 200, 239) }
```

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

```
.background{ background-color: rgb(2, 200,  
239) }
```

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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