

Converting Colors

$Yxy(49.6605, 0.2248, 0.2915)$

Have a look what the booklet for
Yxy(49.6605, 0.2248, 0.2915)
contains.

Yxy(49.8415, 0.2249, 0.2920)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(49.8415, 0.2249, 0.2920)

Conversions

Conversions Part 1

Format	Color
Hex	49CBE6
RGB	73, 203, 230
RGB Percent	29%, 80%, 90%
CMY	0.7136, 0.2039, 0.0980
CMYK	0.68, 0.12, 0.00, 0.10
HSL	190°, 76%, 59%
HSV	190°, 68%, 90%
XYZ	38.3882, 49.8415, 82.4604
YIQ	167.2080, -86.1470, -19.1630

Conversions

Conversions Part 2

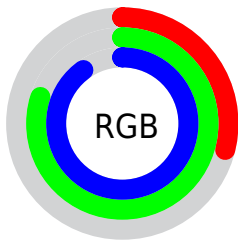
Format	Color
R _Y B	73, 144, 230
Decimal	4836326
CIE Lab	75.97, -26.84, -23.73
CIE LCh	76, 35.824, 221.483
Yxy	49.8415, 0.2249, 0.2920
Android (android.graphics.Color)	4283026406 (0xFF49CBE6)
YUV	167.2080, 30.9565, -82.6204
Hunter-Lab	70.5985, -26.4874, -19.8329

Details

The Yxy color **49.8415, 0.2249, 0.2920** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light muted cyan. A complement of this color would be **26.4268, 0.5174, 0.3561**, and the grayscale version is **38.6337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **84.2290, 0.2516, 0.3288**, and **24.5509, 0.2120, 0.2830** is the 20% darker color. If you saturate the color by 10%, you get **47.2594, 0.2179, 0.2858**, and if you desaturate by 10%, it is **52.8070, 0.2338, 0.2982**.

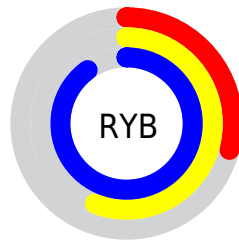
Distribution



Red (29%)

Green (80%)

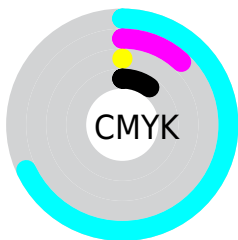
Blue (90%)



Red (29%)

Yellow (56%)

Blue (90%)

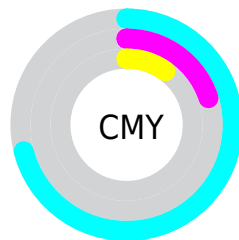


Cyan (68%)

Magenta (12%)

Yellow (0%)

Black (10%)



Cyan (71%)


Magenta (20%)


Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.8415, 0.2249, 0.2920 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 49.8415, 0.2249, 0.2920 by changing the saturation by 10% instead.


 49.8415, 0.2249,
0.2920

 49.8415, 0.2249,
0.2920


386.0458, 0.2666,
0.3114

 35.2875, 0.2152,
0.2870


 89.9400, 0.2395,
0.2992

 23.8844, 0.2032,
0.2805


 116.2532, 0.2452,
0.3019

 15.2479, 0.1880,
0.2718


 147.2550, 0.2500,
0.3041

 8.9935, 0.1683,
0.2597

 183.3298, 0.2542,
0.3060

 4.7370, 0.1419,
0.2417

224.8618, 0.2579,
0.3076

 2.0938, 0.1060,
0.2135

272.2355, 0.2612,

 0.6611, 0.0000,

0.3091

0.1720

325.8354, 0.2640,
0.3103

■ 0.0000, 0.0000,
0.0000

■ 49.8415, 0.2249,
0.2920

■ 49.8415, 0.2249,
0.2920

■ 47.2594, 0.2179,
0.2858

■ 52.8070, 0.2338,
0.2982

■ 45.0162, 0.2128,
0.2795

■ 56.1836, 0.2446,
0.3042

■ 43.0580, 0.2095,
0.2734

■ 60.0023, 0.2569,
0.3100

■ 42.7294, 0.2090,
0.2723

■ 64.2895, 0.2704,
0.3155

■ 69.0693, 0.2849,
0.3207

■ 74.3640, 0.3000,
0.3254

■ 80.1945, 0.3154,
0.3297

■ 86.1914, 0.3295,
0.3336

■ 88.4779, 0.3291,
0.3375

Harmonies

Analogous

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



49.8415, 0.2430, 0.3376



49.8415, 0.2249, 0.2920



49.8415, 0.2280, 0.2618

Triad

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



49.8415, 0.2249, 0.2920



49.8415, 0.3420, 0.2812



49.8415, 0.3729, 0.4142

Complementary

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



49.8415, 0.2249, 0.2920



26.4268, 0.5174, 0.3561

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.



49.8415, 0.4037, 0.3902



49.8415, 0.2249, 0.2920



49.8415, 0.3862, 0.3150

Square

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



49.8415, 0.2249, 0.2920



49.8415, 0.2922, 0.2583



49.8415, 0.4093, 0.3538



49.8415, 0.3272, 0.4142

Rectangle

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



49.8415, 0.2249, 0.2920



49.8415, 0.2415, 0.2523



49.8415, 0.4093, 0.3538



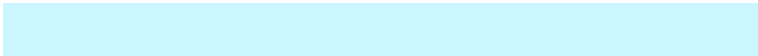
49.8415, 0.3854, 0.4083

Sweetspot

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



49.8433, 0.2249, 0.2920



86.1070, 0.2821, 0.3197



58.9173, 0.2930, 0.5182



18.0584, 0.2780, 0.3183



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.



49.8433, 0.2249, 0.2920



58.4772, 0.2155, 0.2831



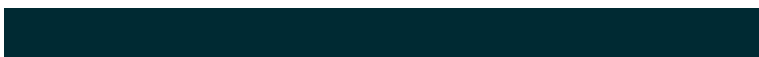
21.8897, 0.1967, 0.1764



15.8923, 0.2981, 0.3249



24.3497, 0.2093, 0.2733



1.9111, 0.2118, 0.2823

Inverse Universe

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



25.9053, 0.3502, 0.1981



28.3222, 0.3597, 0.1852



49.0187, 0.4442, 0.4382



14.5704, 0.3164, 0.3098



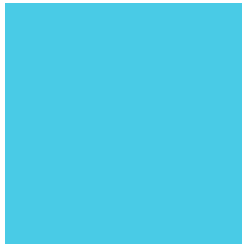
11.6558, 0.3697, 0.1810



0.8726, 0.3614, 0.1764

Previews

White Background



This preview shows how the Yxy color 49.8415, 0.2249, 0.2920 looks on a white background.

Color Contrast Check

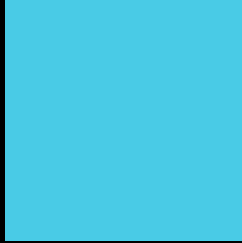
Large Text (above 18pt) WCAG AA × Fail

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 49.8415, 0.2249, 0.2920 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

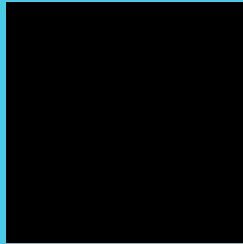
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 49.8415, 0.2249, 0.2920

Background



This preview shows how black text looks on a background with the Yxy color 49.8415, 0.2249, 0.2920.



This preview shows how white text looks on a background with the Yxy color 49.8415, 0.2249, 0.2920.

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

49.8415, 0.2249, 0.2920

Protanopia

48.9940, 0.2852, 0.2882

Deuteranopia

49.0378, 0.2723, 0.2654



Tritanopia

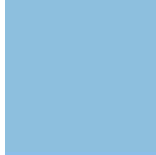
49.6351, 0.2276, 0.3051

Trichromacy



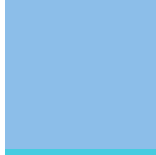
Original Color

49.8415, 0.2249, 0.2920



Protanomaly

48.1983, 0.2561, 0.2883



Deuteranomaly

48.2856, 0.2492, 0.2739



Tritanomaly

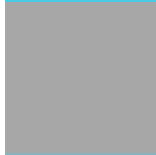
49.8696, 0.2269, 0.3011

Monochromacy



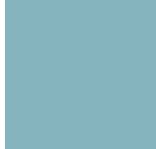
Original Color

49.8415, 0.2249, 0.2920



Achromatopsia

38.6429, 0.3127, 0.3290



Achromatomaly

41.3468, 0.2684, 0.3145

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.8415, 0.2249, 0.2920 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(73, 203, 230)` looks like.

```
.text, #text, p{  
    color:rgb(73, 203, 230)  
}
```

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(73, 203, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(73, 203, 230) }
```

Border

The CSS property to change the border of an element to Yxy 49.8415, 0.2249, 0.2920 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(73, 203, 230) }
```

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

```
.border{ border-color:rgb(73, 203, 230) }
```

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

Here you see how a box with a 4 pixel `rgb(73, 203, 230)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(73, 203, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(73, 203, 230);  
box-shadow:4px 4px 4px 4px rgb(73, 203,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 49.8415, 0.2249, 0.2920 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(73, 203, 230) }
```

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

```
.background{ background-color: rgb(73, 203,  
230) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor