

Converting Colors

$Y_{xy}(37.7756, 0.2073, 0.2661)$

Have a look what the booklet for
Yxy(37.7756, 0.2073, 0.2661)
contains.

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Color

Yxy(37.9229, 0.2074, 0.2665)

Conversions

Conversions Part 1

Format	Color
Hex	01B4DE
RGB	1, 180, 222
RGB Percent	0%, 71%, 87%
CMY	0.9977, 0.2941, 0.1295
CMYK	1.00, 0.19, 0.00, 0.13
HSL	191°, 99%, 44%
HSV	191°, 100%, 87%
XYZ	29.5130, 37.9229, 74.8639
YIQ	131.2670, -120.1660, -24.8860

Conversions

Conversions Part 2

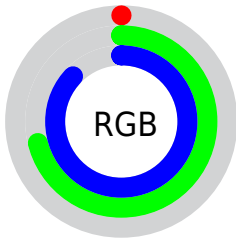
Format	Color
R _{YB}	1, 100, 222
Decimal	111838
CIE Lab	67.96, -23.33, -31.76
CIE LCh	68, 39.408, 233.695
Yxy	37.9229, 0.2074, 0.2665
Android (android.graphics.Color)	4278301918 (0xFF01B4DE)
YUV	131.2670, 44.7314, -114.2442
Hunter-Lab	61.5816, -22.2216, -28.9710

Details

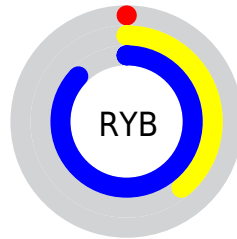
The Yxy color **37.9229, 0.2074, 0.2665** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **17.2250, 0.6206, 0.3451**, and the grayscale version is **22.6211, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2751, 0.2352, 0.3061**, and **17.9688, 0.2029, 0.2503** is the 20% darker color. If you saturate the color by 10%, you get **37.8763, 0.2073, 0.2663**, and if you desaturate by 10%, it is **39.8255, 0.2108, 0.2733**.

Distribution



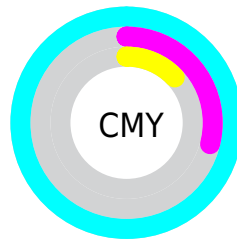
- Red (0%)
- Green (71%)
- Blue (87%)



- Red (0%)
- Yellow (39%)
- Blue (87%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (13%)





- Cyan (100%)
- Magenta (29%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9229, 0.2074, 0.2665 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 37.9229, 0.2074, 0.2665 by changing the saturation by 10% instead.


 37.9229, 0.2074,
0.2665


 37.9229, 0.2074,
0.2665

337.2891, 0.2591,
0.2997

 25.9229, 0.1951,
0.2578


 71.9899, 0.2258,
0.2789


 16.7659, 0.1798,
0.2466


 94.8257, 0.2328,
0.2834

 10.0678, 0.1602,
0.2315


 122.0422, 0.2388,
0.2873

 5.4439, 0.1349,
0.2105

 154.0238, 0.2440,
0.2905

 2.5100, 0.1016,
0.1799

 191.1549, 0.2485,
0.2933

 0.8816, 0.0415,
0.1365

233.8199, 0.2524,

 0.0000, 0.0000,

0.2957

0.0000

282.4032, 0.2559,
0.2978

■ 37.9229, 0.2074,
0.2665

■ 37.9229, 0.2074,
0.2665

■ 37.8763, 0.2073,
0.2663

■ 39.8255, 0.2108,
0.2733

■ 41.9807, 0.2159,
0.2802

■ 44.4529, 0.2228,
0.2871

■ 47.2787, 0.2318,
0.2940

■ 50.4893, 0.2425,
0.3007

■ 54.1122, 0.2547,
0.3072

■ 58.1719, 0.2682,
0.3133

■ 62.6908, 0.2827,
0.3190

■ 67.6898, 0.2977,
0.3243

Harmonies

Analogous

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



37.9229, 0.2181, 0.3144



37.9229, 0.2074, 0.2665



37.9229, 0.2209, 0.2410

Triad

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



37.9229, 0.2074, 0.2665



37.9229, 0.3714, 0.2871



37.9229, 0.3626, 0.4363

Complementary

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



37.9229, 0.2074, 0.2665



17.2250, 0.6206, 0.3451

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.



37.9229, 0.4091, 0.4154



37.9229, 0.2074, 0.2665



37.9229, 0.4167, 0.3297

Square

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



37.9229, 0.2074, 0.2665



37.9229, 0.3114, 0.2546



37.9229, 0.4303, 0.3753



37.9229, 0.3052, 0.4230

Rectangle

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



37.9229, 0.2074, 0.2665



37.9229, 0.2427, 0.2366



37.9229, 0.4303, 0.3753



37.9229, 0.3801, 0.4325

Sweetspot

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



37.9242, 0.2074, 0.2665



79.3568, 0.2675, 0.3130



52.4023, 0.2956, 0.5838



16.4669, 0.2617, 0.3104



0.0000, 0.0000, 0.0000



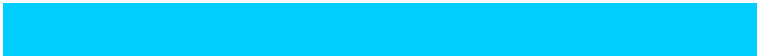
21.4041, 0.3127, 0.3290

Same Dimension

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



37.9242, 0.2074, 0.2665



51.6778, 0.2072, 0.2658



9.7445, 0.1618, 0.1022



15.1074, 0.2982, 0.3244



22.6549, 0.2076, 0.2673



1.6856, 0.2105, 0.2779

Inverse Universe

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



18.8363, 0.3761, 0.1847



25.7480, 0.3768, 0.1849



37.9456, 0.4895, 0.4494



13.8887, 0.3167, 0.3102



11.1951, 0.3753, 0.1841



0.7876, 0.3654, 0.1787

Previews

White Background



This preview shows how the Yxy color 37.9229, 0.2074, 0.2665 looks on a white background.

Color Contrast Check

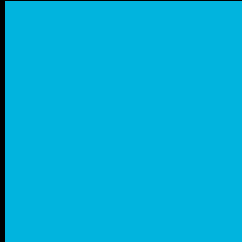
Large Text (above 18pt) WCAG AA × Fail

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 37.9229, 0.2074, 0.2665 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

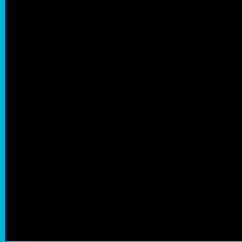
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.9229, 0.2074, 0.2665

Background



This preview shows how black text looks on a background with the Yxy color 37.9229, 0.2074, 0.2665.

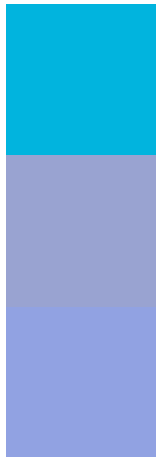


This preview shows how white text looks on a background with the Yxy color 37.9229, 0.2074, 0.2665.

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

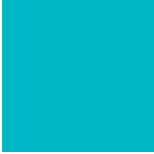
37.9229, 0.2074, 0.2665

Protanopia

37.5701, 0.2679, 0.2666

Deuteranopia

37.3514, 0.2508, 0.2444



Tritanopia

37.8982, 0.2185, 0.3066

Trichromacy



Original Color

37.9229, 0.2074, 0.2665



Protanomaly

35.8276, 0.2305, 0.2633



Deuteranomaly

36.0875, 0.2223, 0.2493



Tritanomaly

37.9121, 0.2143, 0.2916

Monochromacy



Original Color

37.9229, 0.2074, 0.2665



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

26.0600, 0.2448, 0.3023

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9229, 0.2074, 0.2665 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(1, 180, 222)` looks like.

```
.text, #text, p{  
    color:rgb(1, 180, 222)  
}
```

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(1, 180, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 180, 222) }
```

Border

The CSS property to change the border of an element to Yxy 37.9229, 0.2074, 0.2665 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(1, 180, 222) }
```

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

```
.border{ border-color:rgb(1, 180, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 180, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(1, 180, 222); -webkit-box-shadow:4px 4px 4px 4px rgb(1, 180, 222); box-shadow:4px 4px 4px 4px rgb(1, 180, 222) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9229, 0.2074, 0.2665 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 180, 222) }
```

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

```
.background{ background-color: rgb(1, 180,  
222) }
```

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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