

Converting Colors

$Y_{xy}(40.8888, 0.1748, 0.2732)$

Have a look what the booklet for
Yxy(40.8888, 0.1748, 0.2732)
contains.

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Color

Yxy(44.8564, 0.2102, 0.2766)

Conversions

Conversions Part 1

Format	Color
Hex	01C3E8
RGB	1, 195, 232
RGB Percent	0%, 76%, 91%
CMY	0.9978, 0.2353, 0.0901
CMYK	1.00, 0.16, 0.00, 0.09
HSL	190°, 100%, 46%
HSV	190°, 100%, 91%
XYZ	34.0883, 44.8564, 83.2260
YIQ	141.2120, -127.5010, -29.6210

Conversions

Conversions Part 2

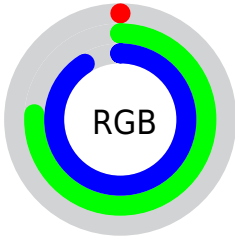
Format	Color
RYB	1, 106, 232
Decimal	115688
CIELab	72.80, -27.50, -29.77
CIELCh	73, 40.527, 227.262
Yxy	44.8564, 0.2102, 0.2766
Android (android.graphics.Color)	4278305768 (0xFF01C3E8)
YUV	141.2120, 44.7585, -122.9659
Hunter-Lab	66.9749, -26.3548, -26.7939

Details

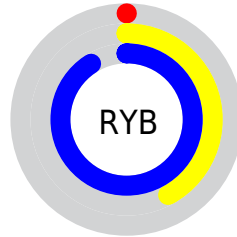
The Yxy color **44.8564, 0.2102, 0.2766** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **18.5218, 0.6257, 0.3411**, and the grayscale version is **26.5259, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.1558, 0.2406, 0.3253**, and **22.1843, 0.2067, 0.2641** is the 20% darker color. If you saturate the color by 10%, you get **44.8150, 0.2101, 0.2765**, and if you desaturate by 10%, it is **46.7300, 0.2132, 0.2823**.

Distribution



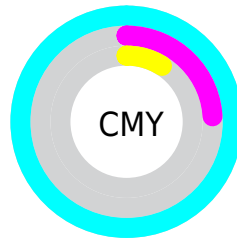
- Red (0%)
- Green (76%)
- Blue (91%)



- Red (0%)
- Yellow (42%)
- Blue (91%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (24%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.8564, 0.2102, 0.2766 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 44.8564, 0.2102, 0.2766 by changing the saturation by 10% instead.

44.8564, 0.2102,
0.2766

44.8564, 0.2102,
0.2766

366.1917, 0.2592,
0.3041

31.3443, 0.1988,
0.2695

82.5049, 0.2274,
0.2868

20.8612, 0.1848,
0.2603

107.4101, 0.2340,
0.2906

13.0226, 0.1671,
0.2481

136.8818, 0.2397,
0.2938

7.4441, 0.1443,
0.2312

171.3044, 0.2447,
0.2965

3.7414, 0.1146,
0.2066

211.0623, 0.2490,
0.2988

1.5300, 0.0748,
0.1696

256.5399, 0.2528,

0.3097, 0.0000,

0.3008

0.0865

308.1215, 0.2562,
0.3026

■ 0.0000, 0.0000,
0.0000

■ 44.8564, 0.2102,
0.2766

■ 44.8564, 0.2102,
0.2766

■ 44.8150, 0.2101,
0.2765

■ 46.7300, 0.2132,
0.2823

■ 48.8681, 0.2178,
0.2880

■ 51.3408, 0.2244,
0.2938

■ 54.1891, 0.2329,
0.2995

■ 57.4476, 0.2432,
0.3051

■ 61.1466, 0.2551,
0.3106

■ 65.3133, 0.2684,
0.3157

■ 69.9727, 0.2827,
0.3205

■ 75.1477, 0.2977,
0.3250

Harmonies

Analogous

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



44.8564, 0.2259, 0.3272



44.8564, 0.2102, 0.2766



44.8564, 0.2184, 0.2467

Triad

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



44.8564, 0.2102, 0.2766



44.8564, 0.3578, 0.2803



44.8564, 0.3726, 0.4314

Complementary

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



44.8564, 0.2102, 0.2766



18.5218, 0.6257, 0.3411

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.



44.8564, 0.4136, 0.4060



44.8564, 0.2102, 0.2766



44.8564, 0.4066, 0.3204

Square

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



44.8564, 0.2102, 0.2766



44.8564, 0.2992, 0.2514



44.8564, 0.4272, 0.3650



44.8564, 0.3177, 0.4261

Rectangle

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



44.8564, 0.2102, 0.2766



44.8564, 0.2366, 0.2392



44.8564, 0.4272, 0.3650



44.8564, 0.3885, 0.4256

Sweetspot

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



44.8580, 0.2102, 0.2766



80.7018, 0.2678, 0.3155



57.8559, 0.2969, 0.5887



16.7918, 0.2621, 0.3134



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.



44.8580, 0.2102, 0.2766



55.4142, 0.2101, 0.2762



11.8010, 0.1640, 0.1102



15.9230, 0.2981, 0.3251



25.0279, 0.2104, 0.2774



1.9552, 0.2127, 0.2857

Inverse Universe

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



21.1123, 0.3666, 0.1794



26.1252, 0.3670, 0.1795



39.2987, 0.4989, 0.4419



14.5735, 0.3162, 0.3095



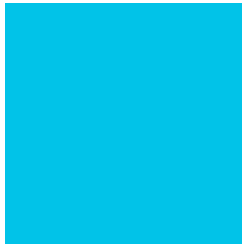
11.7243, 0.3659, 0.1789



0.8771, 0.3582, 0.1747

Previews

White Background



This preview shows how the Yxy color 44.8564, 0.2102, 0.2766 looks on a white background.

Color Contrast Check

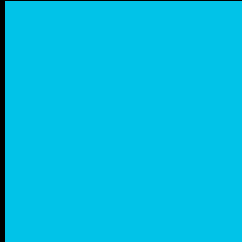
Large Text (above 18pt) WCAG AA × Fail

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 44.8564, 0.2102, 0.2766 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

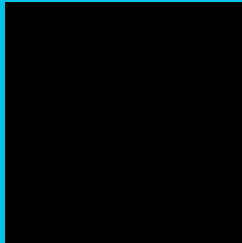
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 44.8564, 0.2102, 0.2766

Background



This preview shows how black text looks on a background with the Yxy color 44.8564, 0.2102, 0.2766.



This preview shows how white text looks on a background with the Yxy color 44.8564, 0.2102, 0.2766.

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

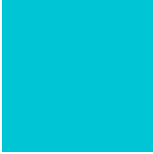
44.8629, 0.2102, 0.2767

Protanopia

44.3281, 0.2740, 0.2753

Deuteranopia

44.4558, 0.2582, 0.2522



Tritanopia

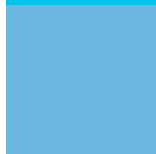
44.7366, 0.2181, 0.3051

Trichromacy



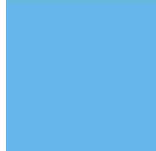
Original Color

44.8629, 0.2102, 0.2767



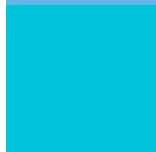
Protanomaly

42.2589, 0.2343, 0.2735



Deuteranomaly

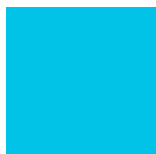
42.3376, 0.2269, 0.2574



Tritanomaly

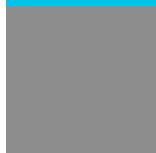
44.6472, 0.2150, 0.2939

Monochromacy



Original Color

44.8629, 0.2102, 0.2767



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

30.7194, 0.2460, 0.3072

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.8564, 0.2102, 0.2766 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, 195, 232)` looks like.

```
.text, #text, p{  
    color:rgb(1, 195, 232)  
}
```

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, 195, 232) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 195, 232) }
```

Border

The CSS property to change the border of an element to Yxy 44.8564, 0.2102, 0.2766 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, 195, 232) }
```

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

```
.border{ border-color:rgb(1, 195, 232) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 195, 232)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 195, 232); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 195, 232);  
box-shadow:4px 4px 4px 4px rgb(1, 195,  
232) }
```


Background

The CSS property to change the background color of an element to Yxy 44.8564, 0.2102, 0.2766 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 195, 232) }
```

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

```
.background{ background-color: rgb(1, 195,  
232) }
```

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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