

Converting Colors

$Y_{xy}(44.8052, 0.2081, 0.2691)$

Have a look what the booklet for
Yxy(44.8052, 0.2081, 0.2691)
contains.

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Color

Yxy(44.6980, 0.2080, 0.2689)

Conversions

Conversions Part 1

Format	Color
Hex	00C2ED
RGB	0, 194, 237
RGB Percent	0%, 76%, 93%
CMY	1.0000, 0.2392, 0.0704
CMYK	1.00, 0.18, 0.00, 0.07
HSL	191°, 100%, 46%
HSV	191°, 100%, 93%
XYZ	34.5749, 44.6980, 86.9525
YIQ	140.8960, -129.4270, -27.7550

Conversions

Conversions Part 2

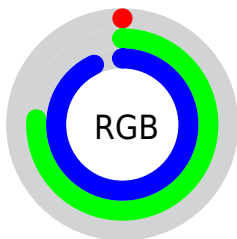
Format	Color
RYB	0, 107, 237
Decimal	49901
CIELab	72.69, -25.37, -32.64
CIELCh	73, 41.337, 232.139
Yxy	44.6980, 0.2080, 0.2689
Android (android.graphics.Color)	4278239981 (0xFF00C2ED)
YUV	140.8960, 47.3793, -123.5658
Hunter-Lab	66.8566, -24.6877, -30.3120

Details

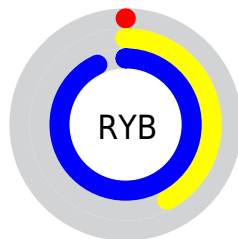
The Yxy color **44.6980, 0.2080, 0.2689** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **19.7404, 0.6230, 0.3435**, and the grayscale version is **26.4459, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.5294, 0.2404, 0.3241**, and **22.0924, 0.2040, 0.2544** is the 20% darker color. If you saturate the color by 10%, you get **44.7040, 0.2080, 0.2689**, and if you desaturate by 10%, it is **46.8378, 0.2113, 0.2754**.

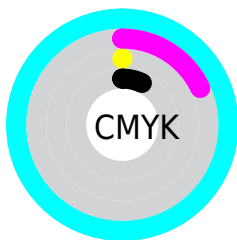
Distribution



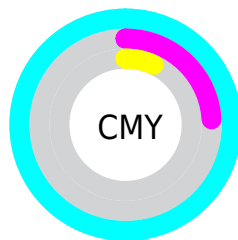
- Red (0%)
- Green (76%)
- Blue (93%)



- Red (0%)
- Yellow (42%)
- Blue (93%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (24%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6980, 0.2080, 0.2689 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 44.6980, 0.2080, 0.2689 by changing the saturation by 10% instead.


 44.6980, 0.2080,
0.2689


 44.6980, 0.2080,
0.2689


365.5491, 0.2580,
0.3001


 31.2196, 0.1965,
0.2610


 82.2670, 0.2255,
0.2804

 20.7661, 0.1822,
0.2509


 107.1265, 0.2323,
0.2846


 12.9532, 0.1644,
0.2375


 136.5484, 0.2381,
0.2882

 7.3963, 0.1416,
0.2192

 170.9172, 0.2431,
0.2913

 3.7112, 0.1119,
0.1932

 210.6173, 0.2475,
0.2940

 1.5133, 0.0734,
0.1550

256.0330, 0.2514,

 0.2981, 0.0000,

0.2963

0.0743

307.5488, 0.2549,
0.2983

■ 0.0000, 0.0000,
0.0000

■ 44.6980, 0.2080,
0.2689

■ 44.6980, 0.2080,
0.2689

■ 44.7040, 0.2080,
0.2689

■ 46.8378, 0.2113,
0.2754

■ 49.2604, 0.2161,
0.2820

■ 52.0457, 0.2229,
0.2886

■ 55.2372, 0.2316,
0.2952

■ 58.8717, 0.2422,
0.3017

■ 62.9814, 0.2543,
0.3079

■ 67.5953, 0.2678,
0.3138

■ 72.7397, 0.2822,
0.3193

■ 78.4391, 0.2973,
0.3244

Harmonies

Analogous

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



44.6980, 0.2199, 0.3175



44.6980, 0.2080, 0.2689



44.6980, 0.2202, 0.2423

Triad

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



44.6980, 0.2080, 0.2689



44.6980, 0.3681, 0.2854



44.6980, 0.3651, 0.4352

Complementary

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



44.6980, 0.2080, 0.2689



19.7404, 0.6230, 0.3435

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.



44.6980, 0.4103, 0.4131



44.6980, 0.2080, 0.2689



44.6980, 0.4144, 0.3274

Square

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



44.6980, 0.2080, 0.2689



44.6980, 0.3084, 0.2537



44.6980, 0.4297, 0.3728



44.6980, 0.3083, 0.4239

Rectangle

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



44.6980, 0.2080, 0.2689



44.6980, 0.2411, 0.2371



44.6980, 0.4297, 0.3728



44.6980, 0.3823, 0.4309

Sweetspot

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



44.7040, 0.2080, 0.2689



79.7221, 0.2676, 0.3137



60.7389, 0.2964, 0.5870



16.5551, 0.2618, 0.3112



0.0000, 0.0000, 0.0000



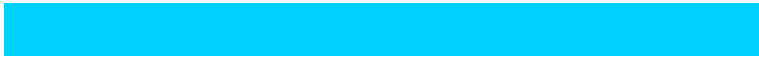
21.4041, 0.3127, 0.3290

Same Dimension

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



44.7040, 0.2080, 0.2689



52.6799, 0.2080, 0.2687



11.7102, 0.1626, 0.1053



16.6298, 0.2981, 0.3246



24.5764, 0.2083, 0.2700



2.0508, 0.2109, 0.2790

Inverse Universe

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



21.9061, 0.3739, 0.1833



25.8492, 0.3741, 0.1834



42.4725, 0.4947, 0.4454



15.2641, 0.3166, 0.3099



11.9738, 0.3728, 0.1828



0.9524, 0.3644, 0.1781

Previews

White Background



This preview shows how the Yxy color 44.6980, 0.2080, 0.2689 looks on a white background.

Color Contrast Check

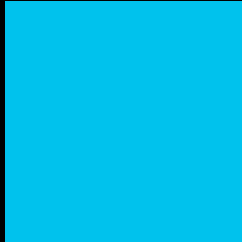
Large Text (above 18pt) WCAG AA × Fail

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 44.6980, 0.2080, 0.2689 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 44.6980, 0.2080, 0.2689

Background



This preview shows how black text looks on a background with the Yxy color 44.6980, 0.2080, 0.2689.

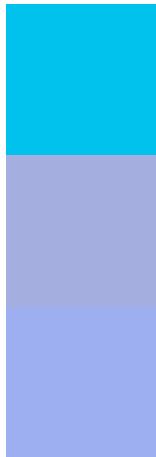


This preview shows how white text looks on a background with the Yxy color 44.6980, 0.2080, 0.2689.

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

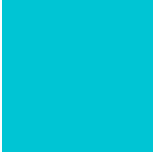
44.6980, 0.2080, 0.2689

Protanopia

43.9870, 0.2691, 0.2680

Deuteranopia

44.2799, 0.2532, 0.2474



Tritanopia

44.6860, 0.2185, 0.3066

Trichromacy



Original Color

44.6980, 0.2080, 0.2689



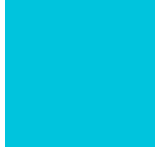
Protanomaly

42.0606, 0.2311, 0.2659



Deuteranomaly

42.5139, 0.2238, 0.2516



Tritanomaly

44.7003, 0.2146, 0.2925

Monochromacy



Original Color

44.6980, 0.2080, 0.2689



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

30.4499, 0.2445, 0.3023

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6980, 0.2080, 0.2689 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(0, 194, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 194, 237)  
}
```

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(0, 194, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 194, 237) }
```

Border

The CSS property to change the border of an element to Yxy 44.6980, 0.2080, 0.2689 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(0, 194, 237) }
```

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

```
.border{ border-color:rgb(0, 194, 237) }
```

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

Here you see how a box with a 4 pixel rgb(0, 194, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 194, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 194, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 194,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6980, 0.2080, 0.2689 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 194, 237) }
```

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

```
.background{ background-color: rgb(0, 194,  
237) }
```

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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