

Converting Colors

$Y_{xy}(38.6322, 0.1643, 0.2726)$

Have a look what the booklet for
Yxy(38.6322, 0.1643, 0.2726)
contains.

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Color

Yxy(43.7414, 0.2108, 0.2788)

Conversions

Conversions Part 1

Format	Color
Hex	00C1E4
RGB	0, 193, 228
RGB Percent	0%, 76%, 89%
CMY	0.9987, 0.2431, 0.1060
CMYK	1.00, 0.15, 0.00, 0.11
HSL	189°, 100%, 45%
HSV	189°, 100%, 89%
XYZ	33.0728, 43.7414, 80.0775
YIQ	139.2830, -126.2630, -30.0310

Conversions

Conversions Part 2

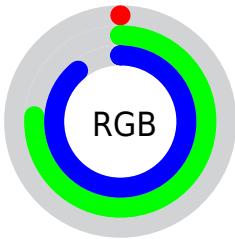
Format	Color
RYB	0, 105, 228
Decimal	49636
CIELab	72.06, -27.87, -28.71
CIELCh	72, 40.011, 225.851
Yxy	43.7414, 0.2108, 0.2788
Android (android.graphics.Color)	4278239716 (0xFF00C1E4)
YUV	139.2830, 43.7375, -122.1512
Hunter-Lab	66.1373, -26.4791, -25.4909

Details

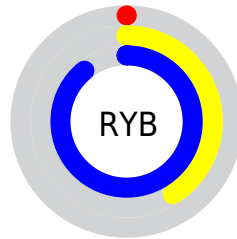
The Yxy color **43.7414, 0.2108, 0.2788** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **17.7093, 0.6267, 0.3405**, and the grayscale version is **25.8361, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.8424, 0.2398, 0.3230**, and **21.4438, 0.2074, 0.2667** is the 20% darker color. If you saturate the color by 10%, you get **43.7192, 0.2108, 0.2787**, and if you desaturate by 10%, it is **45.4912, 0.2137, 0.2842**.

Distribution



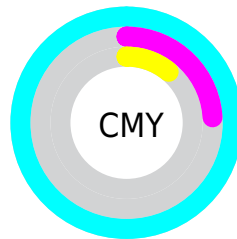
- Red (0%)
- Green (76%)
- Blue (89%)



- Red (0%)
- Yellow (41%)
- Blue (89%)



- Cyan (100%)
- Magenta (15%)
- Yellow (0%)
- Black (11%)




- Cyan (100%)
- Magenta (24%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 43.7414, 0.2108, 0.2788 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 43.7414, 0.2108, 0.2788 by changing the saturation by 10% instead.


 43.7414, 0.2108,
0.2788


 43.7414, 0.2108,
0.2788


361.6520, 0.2598,
0.3054


 30.4673, 0.1994,
0.2719


 80.8285, 0.2280,
0.2887

 20.1935, 0.1852,
0.2629


 105.4102, 0.2347,
0.2924


 12.5358, 0.1673,
0.2508

 134.5299, 0.2404,
0.2954

 7.1097, 0.1441,
0.2340

 168.5720, 0.2453,
0.2980

 3.5308, 0.1138,
0.2093

 207.9208, 0.2496,
0.3003

 1.4147, 0.0714,
0.1718

252.9608, 0.2534,

 0.2275, 0.0000,

0.3022

0.0724

304.0764, 0.2568,
0.3039

■ 0.0000, 0.0000,
0.0000

■ 43.7414, 0.2108,
0.2788

■ 43.7414, 0.2108,
0.2788

■ 43.7192, 0.2108,
0.2787

■ 45.4912, 0.2137,
0.2842

■ 47.4901, 0.2183,
0.2897

■ 49.8068, 0.2247,
0.2952

■ 52.4804, 0.2331,
0.3007

■ 55.5441, 0.2433,
0.3061

■ 59.0269, 0.2551,
0.3113

■ 62.9550, 0.2683,
0.3162

■ 67.3521, 0.2826,
0.3208

■ 72.2402, 0.2975,
0.3251

Harmonies

Analogous

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



43.7414, 0.2275, 0.3299



43.7414, 0.2108, 0.2788



43.7414, 0.2179, 0.2479

Triad

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



43.7414, 0.2108, 0.2788



43.7414, 0.3549, 0.2789



43.7414, 0.3747, 0.4304

Complementary

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



43.7414, 0.2108, 0.2788



17.7093, 0.6267, 0.3405

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.



43.7414, 0.4145, 0.4040



43.7414, 0.2108, 0.2788



43.7414, 0.4044, 0.3185

Square

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



43.7414, 0.2108, 0.2788



43.7414, 0.2966, 0.2507



43.7414, 0.4265, 0.3628



43.7414, 0.3204, 0.4268

Rectangle

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



43.7414, 0.2108, 0.2788



43.7414, 0.2353, 0.2398



43.7414, 0.4265, 0.3628



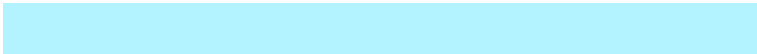
43.7414, 0.3903, 0.4242

Sweetspot

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



43.7429, 0.2108, 0.2788



80.9945, 0.2679, 0.3161



55.5918, 0.2969, 0.5887



16.8626, 0.2622, 0.3140



0.0000, 0.0000, 0.0000



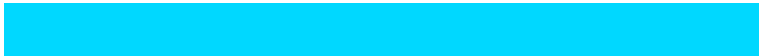
21.4041, 0.3127, 0.3290

Same Dimension

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



43.7429, 0.2108, 0.2788



56.2444, 0.2107, 0.2784



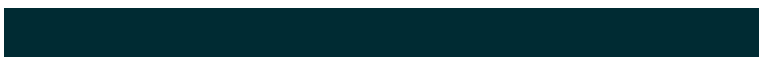
11.3389, 0.1640, 0.1102



15.9393, 0.2981, 0.3253



25.3937, 0.2110, 0.2796



1.9789, 0.2132, 0.2875

Inverse Universe

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



20.3467, 0.3646, 0.1782



26.2091, 0.3649, 0.1784



37.7621, 0.4989, 0.4420



14.5752, 0.3161, 0.3093



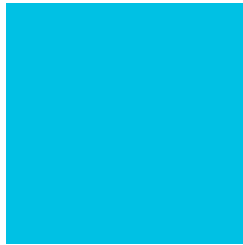
11.7612, 0.3639, 0.1778



0.8794, 0.3566, 0.1738

Previews

White Background



This preview shows how the Yxy color 43.7414, 0.2108, 0.2788 looks on a white background.

Color Contrast Check

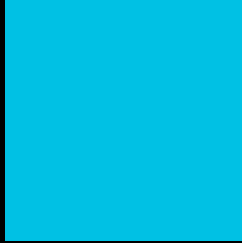
Large Text (above 18pt) WCAG AA × Fail

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 43.7414, 0.2108, 0.2788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

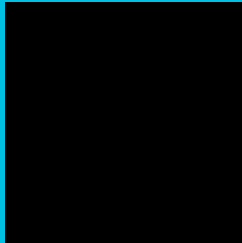
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.7414, 0.2108, 0.2788

Background



This preview shows how black text looks on a background with the Yxy color 43.7414, 0.2108, 0.2788.



This preview shows how white text looks on a background with the Yxy color 43.7414, 0.2108, 0.2788.

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

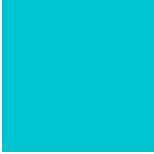
43.7414, 0.2108, 0.2788

Protanopia

43.2341, 0.2758, 0.2773

Deuteranopia

43.3474, 0.2596, 0.2538



Tritanopia

43.6834, 0.2184, 0.3063

Trichromacy



Original Color

43.7414, 0.2108, 0.2788



Protanomaly

41.2264, 0.2357, 0.2756



Deuteranomaly

41.2956, 0.2281, 0.2592



Tritanomaly

43.5933, 0.2153, 0.2950

Monochromacy



Original Color

43.7414, 0.2108, 0.2788



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

29.8604, 0.2467, 0.3086

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.7414, 0.2108, 0.2788 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, 193, 228)` looks like.

```
.text, #text, p{  
    color:rgb(0, 193, 228)  
}
```

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, 193, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 193, 228) }
```

Border

The CSS property to change the border of an element to Yxy 43.7414, 0.2108, 0.2788 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, 193, 228) }
```

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

```
.border{ border-color:rgb(0, 193, 228) }
```

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

Here you see how a box with a 4 pixel rgb(0, 193, 228) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 193, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 193, 228);  
box-shadow:4px 4px 4px 4px rgb(0, 193,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 43.7414, 0.2108, 0.2788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 193, 228) }
```

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

```
.background{ background-color: rgb(0, 193,  
228) }
```

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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