

Converting Colors

$Yxy(42.5527, 0.1911, 0.2856)$

Have a look what the booklet for
Yxy(42.5527, 0.1911, 0.2856)
contains.

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Color

Yxy(44.9161, 0.2131, 0.2872)

Conversions

Conversions Part 1

Format	Color
Hex	00C4E1
RGB	0, 196, 225
RGB Percent	0%, 77%, 88%
CMY	1.0000, 0.2313, 0.1176
CMYK	1.00, 0.13, 0.00, 0.12
HSL	188°, 100%, 44%
HSV	188°, 100%, 88%
XYZ	33.3274, 44.9161, 78.1496
YIQ	140.7020, -126.1250, -32.5330

Conversions

Conversions Part 2

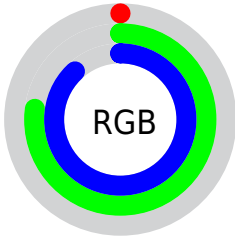
Format	Color
RYB	0, 105, 225
Decimal	50401
CIELab	72.84, -30.34, -25.90
CIELCh	73, 39.890, 220.491
Yxy	44.9161, 0.2131, 0.2872
Android (android.graphics.Color)	4278240481 (0xFF00C4E1)
YUV	140.7020, 41.5589, -123.3957
Hunter-Lab	67.0195, -28.5198, -22.2229

Details

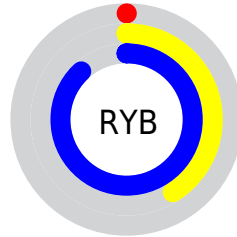
The Yxy color **44.9161, 0.2131, 0.2872** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **16.8868, 0.6301, 0.3379**, and the grayscale version is **26.3868, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.6587, 0.2403, 0.3265**, and **22.2483, 0.2100, 0.2760** is the 20% darker color. If you saturate the color by 10%, you get **44.9198, 0.2131, 0.2872**, and if you desaturate by 10%, it is **46.4170, 0.2158, 0.2917**.

Distribution



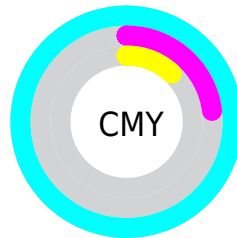
- Red (0%)
- Green (77%)
- Blue (88%)



- Red (0%)
- Yellow (41%)
- Blue (88%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (12%)





- Cyan (100%)
- Magenta (23%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.9161, 0.2131, 0.2872 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 44.9161, 0.2131, 0.2872 by changing the saturation by 10% instead.

 44.9161, 0.2131,
0.2872


 44.9161, 0.2131,
0.2872


366.4337, 0.2609,
0.3096

 31.3913, 0.2019,
0.2813


 82.5945, 0.2299,
0.2956

 20.8970, 0.1881,
0.2735


 107.5169, 0.2364,
0.2987


 13.0488, 0.1706,
0.2630


 137.0074, 0.2420,
0.3013

 7.4621, 0.1479,
0.2481

 171.4502, 0.2468,
0.3035

 3.7528, 0.1179,
0.2259

 211.2299, 0.2510,
0.3054

 1.5362, 0.0760,
0.1913

256.7308, 0.2547,

 0.3140, 0.0000,

0.3070

0.1039

308.3372, 0.2580,
0.3084

■ 0.0000, 0.0000,
0.0000

■ 44.9161, 0.2131,
0.2872

■ 44.9161, 0.2131,
0.2872

■ 44.9198, 0.2131,
0.2872

■ 46.4170, 0.2158,
0.2917

■ 48.1449, 0.2199,
0.2962

■ 50.1700, 0.2260,
0.3008

■ 52.5303, 0.2340,
0.3053

■ 55.2577, 0.2439,
0.3098

■ 58.3805, 0.2555,
0.3141

■ 61.9237, 0.2684,
0.3182

■ 65.9103, 0.2825,
0.3221

■ 70.3617, 0.2973,
0.3257

Harmonies

Analogous

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



44.9161, 0.2339, 0.3403



44.9161, 0.2131, 0.2872



44.9161, 0.2159, 0.2526

Triad

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



44.9161, 0.2131, 0.2872



44.9161, 0.3442, 0.2734



44.9161, 0.3826, 0.4263

Complementary

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



44.9161, 0.2131, 0.2872



16.8868, 0.6301, 0.3379

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.



44.9161, 0.4178, 0.3967



44.9161, 0.2131, 0.2872



44.9161, 0.3962, 0.3111

Square

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



44.9161, 0.2131, 0.2872



44.9161, 0.2871, 0.2482



44.9161, 0.4238, 0.3547



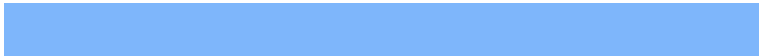
44.9161, 0.3304, 0.4288

Rectangle

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



44.9161, 0.2131, 0.2872



44.9161, 0.2306, 0.2419



44.9161, 0.4238, 0.3547



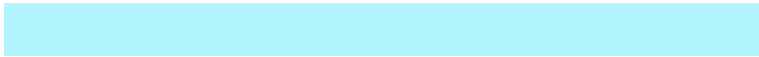
44.9161, 0.3969, 0.4187

Sweetspot

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



44.9198, 0.2131, 0.2872



82.1346, 0.2681, 0.3181



53.9286, 0.2979, 0.5925



17.1386, 0.2625, 0.3164



0.0000, 0.0000, 0.0000



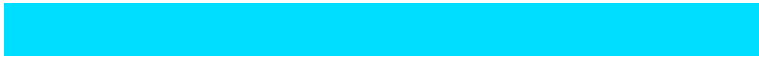
21.4041, 0.3127, 0.3290

Same Dimension

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



44.9198, 0.2131, 0.2872



59.5356, 0.2130, 0.2869



12.1323, 0.1665, 0.1192



15.2551, 0.2982, 0.3259



26.0052, 0.2133, 0.2879



1.8877, 0.2152, 0.2948

Inverse Universe

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



19.9941, 0.3569, 0.1740



26.5413, 0.3571, 0.1741



34.4020, 0.5084, 0.4345



13.9036, 0.3157, 0.3088



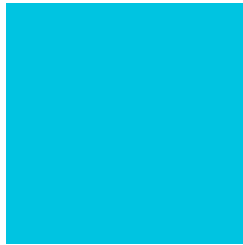
11.5333, 0.3562, 0.1736



0.8080, 0.3500, 0.1702

Previews

White Background



This preview shows how the Yxy color 44.9161, 0.2131, 0.2872 looks on a white background.

Color Contrast Check

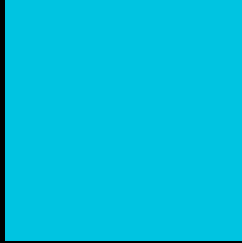
Large Text (above 18pt) WCAG AA × Fail

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 44.9161, 0.2131, 0.2872 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 44.9161, 0.2131, 0.2872

Background



This preview shows how black text looks on a background with the Yxy color 44.9161, 0.2131, 0.2872.

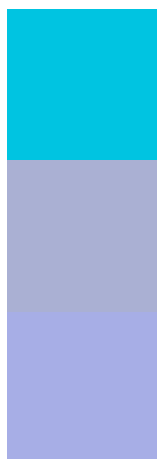


This preview shows how white text looks on a background with the Yxy color 44.9161, 0.2131, 0.2872.

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

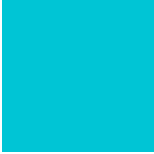
44.9161, 0.2131, 0.2872

Protanopia

44.2999, 0.2811, 0.2839

Deuteranopia

44.2008, 0.2659, 0.2592



Tritanopia

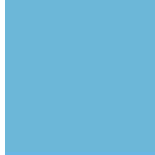
44.7366, 0.2181, 0.3051

Trichromacy



Original Color

44.9161, 0.2131, 0.2872



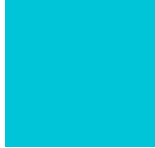
Protanomaly

42.0130, 0.2388, 0.2825



Deuteranomaly

42.1215, 0.2315, 0.2659



Tritanomaly

44.9423, 0.2165, 0.2995

Monochromacy



Original Color

44.9161, 0.2131, 0.2872



Achromatopsia

26.6356, 0.3127, 0.3290



Achromatomaly

30.6420, 0.2473, 0.3104

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.9161, 0.2131, 0.2872 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, 196, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 196, 225)  
}
```

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, 196, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 196, 225) }
```

Border

The CSS property to change the border of an element to Yxy 44.9161, 0.2131, 0.2872 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, 196, 225) }
```

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

```
.border{ border-color:rgb(0, 196, 225) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 196, 225)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 196, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 196, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 196,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 44.9161, 0.2131, 0.2872 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 196, 225) }
```

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

```
.background{ background-color: rgb(0, 196,  
225) }
```

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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