

Converting Colors

$Yxy(43.4863, 0.1978, 0.2808)$

Have a look what the booklet for
Yxy(43.4863, 0.1978, 0.2808)
contains.

Yxy(45.1370, 0.2117, 0.2820)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	29

Color

Yxy(45.1370, 0.2117, 0.2820)

Conversions

Conversions Part 1

Format	Color
Hex	01C4E5
RGB	1, 196, 229
RGB Percent	0%, 77%, 90%
CMY	0.9979, 0.2314, 0.1020
CMYK	1.00, 0.14, 0.00, 0.10
HSL	189°, 100%, 45%
HSV	189°, 100%, 90%
XYZ	33.8848, 45.1370, 81.0385
YIQ	141.4570, -126.8130, -31.0770

Conversions

Conversions Part 2

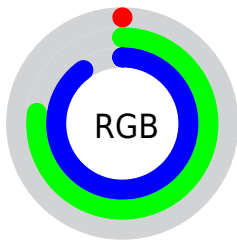
Format	Color
RYB	1, 106, 229
Decimal	115941
CIELab	72.98, -29.01, -27.83
CIELCh	73, 40.200, 223.813
Yxy	45.1370, 0.2117, 0.2820
Android (android.graphics.Color)	4278306021 (0xFF01C4E5)
YUV	141.4570, 43.1587, -123.1808
Hunter-Lab	67.1841, -27.5444, -24.4877

Details

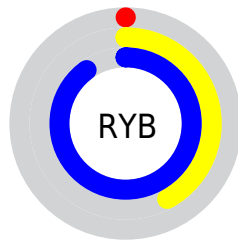
The Yxy color **45.1370, 0.2117, 0.2820** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **17.7728, 0.6278, 0.3395**, and the grayscale version is **26.6316, 0.3127, 0.3290**.

A 20% lighter version of the original color is **80.7218, 0.2406, 0.3265**, and **22.3631, 0.2086, 0.2710** is the 20% darker color. If you saturate the color by 10%, you get **45.0996, 0.2116, 0.2819**, and if you desaturate by 10%, it is **46.8304, 0.2145, 0.2871**.

Distribution



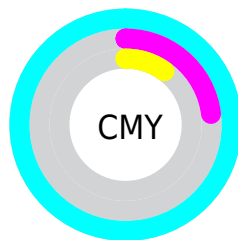
- Red (0%)
- Green (77%)
- Blue (90%)



- Red (0%)
- Yellow (42%)
- Blue (90%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (10%)





- Cyan (100%)
- Magenta (23%)
- Yellow (10%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 45.1370, 0.2117, 0.2820 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 45.1370, 0.2117, 0.2820 by changing the saturation by 10% instead.

 45.1370, 0.2117,
0.2820


 45.1370, 0.2117,
0.2820


 367.3281, 0.2600,
0.3069


 31.5653, 0.2005,
0.2755


 82.9260, 0.2287,
0.2913

 21.0297, 0.1865,
0.2671


 107.9121, 0.2352,
0.2947


 13.1457, 0.1690,
0.2557


 137.4718, 0.2409,
0.2976

 7.5290, 0.1463,
0.2399

 171.9895, 0.2457,
0.3000

 3.7951, 0.1166,
0.2166

 211.8495, 0.2500,
0.3021

 1.5596, 0.0763,
0.1808

257.4364, 0.2537,

 0.3301, 0.0000,

0.3039

0.0985

309.1345, 0.2571,
0.3055

■ 0.0000, 0.0000,
0.0000

■ 45.1370, 0.2117,
0.2820

■ 45.1370, 0.2117,
0.2820

■ 45.0996, 0.2116,
0.2819

■ 46.8304, 0.2145,
0.2871

■ 48.7727, 0.2189,
0.2922

■ 51.0321, 0.2253,
0.2974

■ 53.6482, 0.2336,
0.3025

■ 56.6544, 0.2437,
0.3075

■ 60.0800, 0.2554,
0.3124

■ 63.9513, 0.2685,
0.3170

■ 68.2923, 0.2827,
0.3214

■ 73.1251, 0.2977,
0.3254

Harmonies

Analogous

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



45.1370, 0.2300, 0.3339



45.1370, 0.2117, 0.2820



45.1370, 0.2171, 0.2497

Triad

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



45.1370, 0.2117, 0.2820



45.1370, 0.3508, 0.2768



45.1370, 0.3777, 0.4288

Complementary

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



45.1370, 0.2117, 0.2820



17.7728, 0.6278, 0.3395

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.



45.1370, 0.4157, 0.4012



45.1370, 0.2117, 0.2820



45.1370, 0.4012, 0.3156

Square

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



45.1370, 0.2117, 0.2820



45.1370, 0.2929, 0.2498



45.1370, 0.4255, 0.3597



45.1370, 0.3242, 0.4276

Rectangle

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



45.1370, 0.2117, 0.2820



45.1370, 0.2335, 0.2406



45.1370, 0.4255, 0.3597



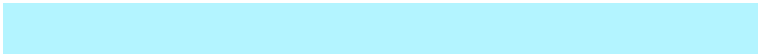
45.1370, 0.3928, 0.4221

Sweetspot

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



45.1386, 0.2117, 0.2820



81.4187, 0.2680, 0.3168



56.1292, 0.2974, 0.5906



16.9653, 0.2623, 0.3149



0.0000, 0.0000, 0.0000



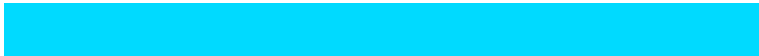
21.4041, 0.3127, 0.3290

Same Dimension

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



45.1386, 0.2117, 0.2820



57.4584, 0.2116, 0.2816



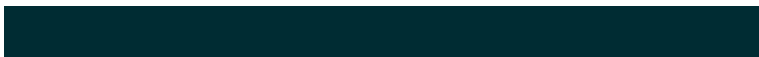
12.0474, 0.1653, 0.1148



15.9630, 0.2981, 0.3255



25.9283, 0.2119, 0.2827



2.0134, 0.2139, 0.2901

Inverse Universe

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



20.6518, 0.3616, 0.1766



26.3316, 0.3620, 0.1768



36.9737, 0.5034, 0.4383



14.5776, 0.3160, 0.3091



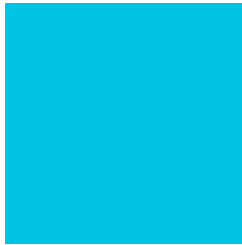
11.8152, 0.3610, 0.1762



0.8829, 0.3542, 0.1725

Previews

White Background



This preview shows how the Yxy color 45.1370, 0.2117, 0.2820 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 45.1370, 0.2117, 0.2820 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

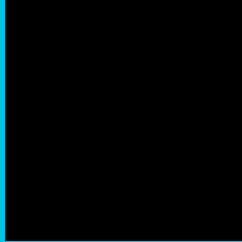
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 45.1370, 0.2117, 0.2820

Background



This preview shows how black text looks on a background with the Yxy color 45.1370, 0.2117, 0.2820.

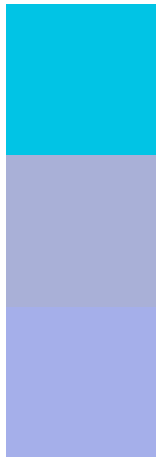


This preview shows how white text looks on a background with the Yxy color 45.1370, 0.2117, 0.2820.

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

45.1435, 0.2117, 0.2820

Protanopia

44.3920, 0.2776, 0.2791

Deuteranopia

44.5998, 0.2621, 0.2558

Trichromacy



Original Color

45.1435, 0.2117, 0.2820

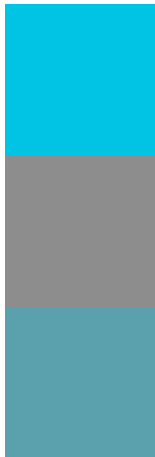
Protanomaly

42.2224, 0.2367, 0.2774

Deuteranomaly

42.6964, 0.2295, 0.2625

Monochromacy



Original Color

45.1435, 0.2117, 0.2820

Achromatopsia

26.6356, 0.3127, 0.3290

Achromatomaly

30.6805, 0.2466, 0.3088

CSS Examples

Text

The CSS property to change the color of the text to Yxy 45.1370, 0.2117, 0.2820 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, 196, 229)` looks like.

```
.text, #text, p{  
    color:rgb(1, 196, 229)  
}
```

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, 196, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 196, 229) }
```

Border

The CSS property to change the border of an element to Yxy 45.1370, 0.2117, 0.2820 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, 196, 229) }
```

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

```
.border{ border-color:rgb(1, 196, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 196, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 196, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 196, 229);  
box-shadow:4px 4px 4px 4px rgb(1, 196,  
229) }
```

Background

The CSS property to change the background color of an element to Yxy 45.1370, 0.2117, 0.2820 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 196, 229) }
```

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

```
.background{ background-color: rgb(1, 196,  
229) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor