

Converting Colors

$Y_{xy}(46.7265, 0.2072, 0.2891)$

Have a look what the booklet for
Yxy(46.7265, 0.2072, 0.2891)
contains.

Yxy(47.4304, 0.2137, 0.2894)	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>	30

Color

Yxy(47.4304, 0.2137, 0.2894)

Conversions

Conversions Part 1

Format	Color
Hex	00C9E5
RGB	0, 201, 229
RGB Percent	0%, 79%, 90%
CMY	1.0000, 0.2117, 0.1020
CMYK	1.00, 0.12, 0.00, 0.10
HSL	187°, 100%, 45%
HSV	187°, 100%, 90%
XYZ	35.0238, 47.4304, 81.4380
YIQ	144.0930, -128.7840, -33.9040

Conversions

Conversions Part 2

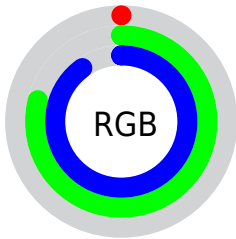
Format	Color
RYB	0, 107, 229
Decimal	51685
CIELab	74.46, -31.47, -25.57
CIELCh	74, 40.549, 219.099
Yxy	47.4304, 0.2137, 0.2894
Android (android.graphics.Color)	4278241765 (0xFF00C9E5)
YUV	144.0930, 41.8592, -126.3696
Hunter-Lab	68.8697, -29.7457, -21.9012

Details

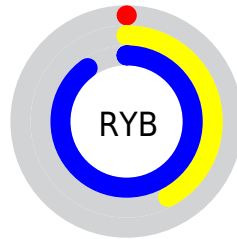
The Yxy color **47.4304, 0.2137, 0.2894** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed cyan. A complement of this color would be **17.4883, 0.6310, 0.3372**, and the grayscale version is **27.7992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **23.8846, 0.2113, 0.2808** is the 20% darker color. If you saturate the color by 10%, you get **47.4357, 0.2137, 0.2894**, and if you desaturate by 10%, it is **48.9338, 0.2163, 0.2936**.

Distribution



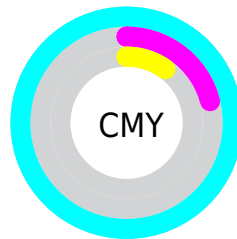
- Red (0%)
- Green (79%)
- Blue (90%)



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



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (10%)





- Cyan (100%)
- Magenta (21%)
- Yellow (10%)


Brightness & Saturation Gradients

These gradients show how the Yxy color 47.4304, 0.2137, 0.2894 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 47.4304, 0.2137, 0.2894 by changing the saturation by 10% instead.


 47.4304, 0.2137,
0.2894


 47.4304, 0.2137,
0.2894


 376.5299, 0.2608,
0.3106


 33.3760, 0.2028,
0.2838


 86.3557, 0.2302,
0.2973


 22.4147, 0.1893,
0.2766


 111.9955, 0.2366,
0.3003

 14.1619, 0.1723,
0.2668


 142.2658, 0.2421,
0.3027

 8.2334, 0.1504,
0.2529

 177.5511, 0.2468,
0.3048

 4.2446, 0.1216,
0.2325

 218.2357, 0.2510,
0.3065

 1.8113, 0.0833,
0.2002

 264.7042, 0.2546,

 0.4942, 0.0000,

0.3081

0.1388

317.3408, 0.2579,
0.3094

■ 0.0000, 0.0000,
0.0000

■ 47.4304, 0.2137,
0.2894

■ 47.4304, 0.2137,
0.2894

■ 47.4357, 0.2137,
0.2894

■ 48.9338, 0.2163,
0.2936

■ 50.6700, 0.2204,
0.2979

■ 52.7130, 0.2263,
0.3022

■ 55.1027, 0.2343,
0.3065

■ 57.8724, 0.2441,
0.3108

■ 61.0515, 0.2555,
0.3149

■ 64.6662, 0.2684,
0.3188

■ 68.7404, 0.2825,
0.3225

■ 73.2965, 0.2973,
0.3259

Harmonies

Analogous

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



47.4304, 0.2355, 0.3430



47.4304, 0.2137, 0.2894



47.4304, 0.2154, 0.2539

Triad

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



47.4304, 0.2137, 0.2894



47.4304, 0.3415, 0.2720



47.4304, 0.3846, 0.4253

Complementary

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



47.4304, 0.2137, 0.2894



17.4883, 0.6310, 0.3372

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.



47.4304, 0.4186, 0.3948



47.4304, 0.2137, 0.2894



47.4304, 0.3940, 0.3092

Square

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



47.4304, 0.2137, 0.2894



47.4304, 0.2847, 0.2475



47.4304, 0.4230, 0.3526



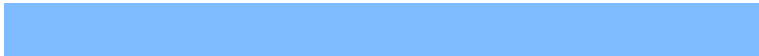
47.4304, 0.3329, 0.4293

Rectangle

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



47.4304, 0.2137, 0.2894



47.4304, 0.2294, 0.2425



47.4304, 0.4230, 0.3526



47.4304, 0.3986, 0.4173

Sweetspot

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



47.4357, 0.2137, 0.2894



82.4428, 0.2682, 0.3187



56.1173, 0.2979, 0.5926



17.2133, 0.2626, 0.3171



0.0000, 0.0000, 0.0000



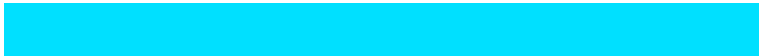
21.4041, 0.3127, 0.3290

Same Dimension

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



47.4357, 0.2137, 0.2894



60.4409, 0.2137, 0.2892



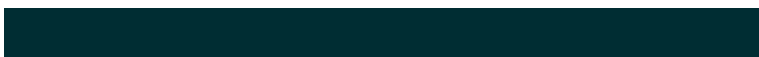
12.6013, 0.1664, 0.1190



16.0198, 0.2982, 0.3260



27.2410, 0.2139, 0.2901



2.0980, 0.2156, 0.2963

Inverse Universe

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



20.8758, 0.3549, 0.1729



26.6327, 0.3551, 0.1730



35.7723, 0.5085, 0.4344



14.5833, 0.3156, 0.3086



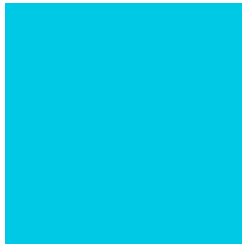
11.9477, 0.3543, 0.1725



0.8915, 0.3487, 0.1695

Previews

White Background



This preview shows how the Yxy color 47.4304, 0.2137, 0.2894 looks on a white background.

Color Contrast Check

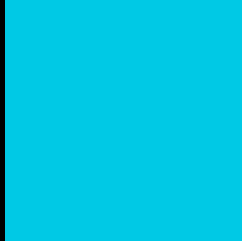
Large Text (above 18pt) WCAG AA × Fail

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 47.4304, 0.2137, 0.2894 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

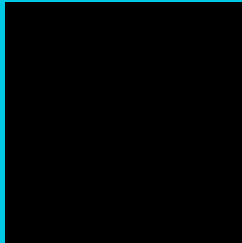
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.4304, 0.2137, 0.2894

Background



This preview shows how black text looks on a background with the Yxy color 47.4304, 0.2137, 0.2894.

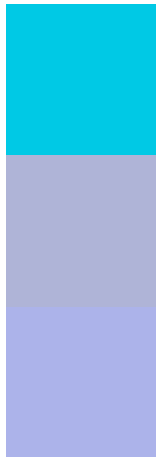


This preview shows how white text looks on a background with the Yxy color 47.4304, 0.2137, 0.2894.

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

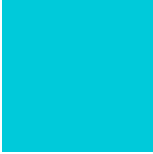
47.4304, 0.2137, 0.2894

Protanopia

46.6628, 0.2825, 0.2849

Deuteranopia

46.9514, 0.2676, 0.2618



Tritanopia

47.3030, 0.2182, 0.3057

Trichromacy



Original Color

47.4304, 0.2137, 0.2894



Protanomaly

44.5133, 0.2397, 0.2848



Deuteranomaly

44.6181, 0.2325, 0.2685



Tritanomaly

47.5150, 0.2167, 0.3002

Monochromacy



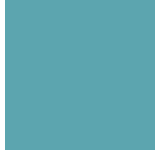
Original Color

47.4304, 0.2137, 0.2894



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

32.2807, 0.2478, 0.3124

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.4304, 0.2137, 0.2894 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, 201, 229)` looks like.

```
.text, #text, p{  
    color:rgb(0, 201, 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(0, 201, 229) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 201, 229) }
```

Border

The CSS property to change the border of an element to Yxy 47.4304, 0.2137, 0.2894 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, 201, 229) }
```

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

```
.border{ border-color:rgb(0, 201, 229) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 201, 229)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 201, 229); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 201, 229);  
box-shadow:4px 4px 4px 4px rgb(0, 201,  
229) }
```


Background

The CSS property to change the background color of an element to Yxy 47.4304, 0.2137, 0.2894 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 201, 229) }
```

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

```
.background{ background-color: rgb(0, 201,  
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