

Converting Colors

$Y_{xy}(47.8732, 0.2156, 0.2961)$

Have a look what the booklet for
Yxy(47.8732, 0.2156, 0.2961)
contains.

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Color

Yxy(47.6773, 0.2156, 0.2961)

Conversions

Conversions Part 1

Format	Color
Hex	00CAE1
RGB	0, 202, 225
RGB Percent	0%, 79%, 88%
CMY	0.9991, 0.2079, 0.1175
CMYK	1.00, 0.10, 0.00, 0.12
HSL	186°, 100%, 44%
HSV	186°, 100%, 88%
XYZ	34.7154, 47.6773, 78.6249
YIQ	144.2240, -127.7750, -35.6710

Conversions

Conversions Part 2

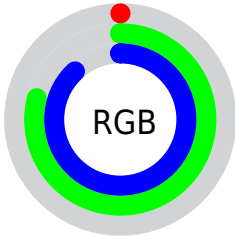
Format	Color
RYB	0, 106, 225
Decimal	51937
CIELab	74.62, -33.20, -23.19
CIELCh	75, 40.495, 214.932
Yxy	47.6773, 0.2156, 0.2961
Android (android.graphics.Color)	4278242017 (0xFF00CAE1)
YUV	144.2240, 39.8226, -126.4844
Hunter-Lab	69.0488, -31.0915, -19.1786

Details

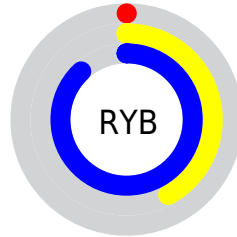
The Yxy color **47.6773, 0.2156, 0.2961** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **16.6351, 0.6329, 0.3356**, and the grayscale version is **27.8887, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9912, 0.2411, 0.3288**, and **23.7697, 0.2128, 0.2859** is the 20% darker color. If you saturate the color by 10%, you get **47.6669, 0.2156, 0.2961**, and if you desaturate by 10%, it is **48.9464, 0.2179, 0.2996**.

Distribution



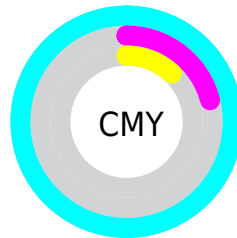
- Red (0%)
- Green (79%)
- Blue (88%)



- Red (0%)
- Yellow (42%)
- Blue (88%)



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




- Cyan (100%)
- Magenta (21%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.6773, 0.2156, 0.2961 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 47.6773, 0.2156, 0.2961 by changing the saturation by 10% instead.


 47.6773, 0.2156,
0.2961


 47.6773, 0.2156,
0.2961


377.5116, 0.2619,
0.3140


 33.5714, 0.2049,
0.2913


 86.7237, 0.2318,
0.3029


 22.5645, 0.1916,
0.2850


 112.4331, 0.2381,
0.3054


 14.2723, 0.1747,
0.2764


 142.7790, 0.2435,
0.3074

 8.3103, 0.1530,
0.2641

 178.1460, 0.2481,
0.3091

 4.2941, 0.1242,
0.2455

 218.9183, 0.2522,
0.3106

 1.8394, 0.0853,
0.2154

265.4804, 0.2558,

 0.5116, 0.0000,

0.3119

0.1564

318.2167, 0.2590,
0.3130

■ 0.0000, 0.0000,
0.0000

■ 47.6773, 0.2156,
0.2961

■ 47.6773, 0.2156,
0.2961

■ 47.6669, 0.2156,
0.2961

■ 48.9464, 0.2179,
0.2996

■ 50.4366, 0.2218,
0.3031

■ 52.2152, 0.2275,
0.3067

■ 54.3200, 0.2352,
0.3103

■ 56.7831, 0.2448,
0.3138

■ 59.6322, 0.2561,
0.3172

■ 62.8927, 0.2688,
0.3205

■ 66.5873, 0.2827,
0.3235

■ 70.7372, 0.2975,
0.3264

Harmonies

Analogous

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



47.6773, 0.2406, 0.3511



47.6773, 0.2156, 0.2961



47.6773, 0.2141, 0.2577

Triad

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



47.6773, 0.2156, 0.2961



47.6773, 0.3333, 0.2679



47.6773, 0.3905, 0.4220

Complementary

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



47.6773, 0.2156, 0.2961



16.6351, 0.6329, 0.3356

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.



47.6773, 0.4209, 0.3892



47.6773, 0.2156, 0.2961



47.6773, 0.3875, 0.3036

Square

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



47.6773, 0.2156, 0.2961



47.6773, 0.2776, 0.2457



47.6773, 0.4206, 0.3464



47.6773, 0.3406, 0.4305

Rectangle

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



47.6773, 0.2156, 0.2961



47.6773, 0.2259, 0.2443



47.6773, 0.4206, 0.3464



47.6773, 0.4034, 0.4130

Sweetspot

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



47.6790, 0.2156, 0.2961



83.3658, 0.2684, 0.3204



53.9267, 0.2983, 0.5940



17.4372, 0.2628, 0.3190



0.0000, 0.0000, 0.0000



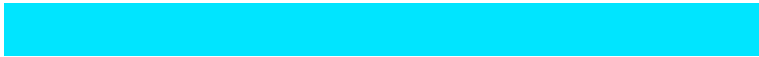
21.4041, 0.3127, 0.3290

Same Dimension

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



47.6790, 0.2156, 0.2961



63.1912, 0.2155, 0.2958



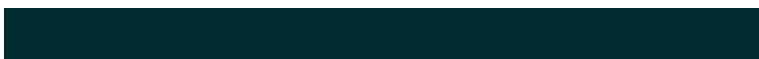
12.7758, 0.1679, 0.1242



15.3198, 0.2982, 0.3265



27.5610, 0.2157, 0.2966



1.9805, 0.2172, 0.3020

Inverse Universe

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



20.2807, 0.3489, 0.1696



26.9103, 0.3491, 0.1697



33.3695, 0.5130, 0.4308



13.9102, 0.3153, 0.3082



11.6903, 0.3484, 0.1693



0.8174, 0.3436, 0.1667

Previews

White Background



This preview shows how the Yxy color 47.6773, 0.2156, 0.2961 looks on a white background.

Color Contrast Check

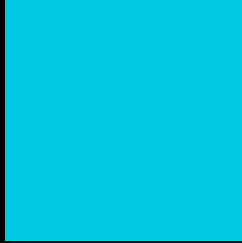
Large Text (above 18pt) WCAG AA × Fail

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 47.6773, 0.2156, 0.2961 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

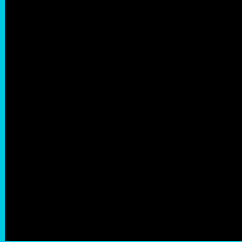
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.6773, 0.2156, 0.2961

Background



This preview shows how black text looks on a background with the Yxy color 47.6773, 0.2156, 0.2961.



This preview shows how white text looks on a background with the Yxy color 47.6773, 0.2156, 0.2961.

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

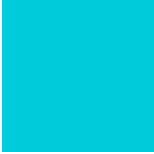
47.6773, 0.2156, 0.2961

Protanopia

47.0980, 0.2869, 0.2911

Deuteranopia

47.0673, 0.2723, 0.2666



Tritanopia

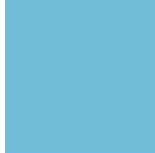
47.8263, 0.2183, 0.3058

Trichromacy



Original Color

47.6773, 0.2156, 0.2961



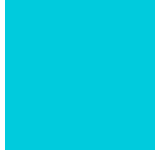
Protanomaly

44.8638, 0.2430, 0.2915



Deuteranomaly

44.5216, 0.2354, 0.2734



Tritanomaly

47.9323, 0.2175, 0.3030

Monochromacy



Original Color

47.6773, 0.2156, 0.2961



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

32.2027, 0.2491, 0.3156

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.6773, 0.2156, 0.2961 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, 202, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 202, 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, 202, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 202, 225) }
```

Border

The CSS property to change the border of an element to Yxy 47.6773, 0.2156, 0.2961 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, 202, 225) }
```

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

```
.border{ border-color:rgb(0, 202, 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, 202, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 202, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 202, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 202,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 47.6773, 0.2156, 0.2961 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 202, 225) }
```

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

```
.background{ background-color: rgb(0, 202,  
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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