

Converting Colors

$Y_{xy}(47.3657, 0.2143, 0.2982)$

Have a look what the booklet for
Yxy(47.3657, 0.2143, 0.2982)
contains.

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Color

Yxy(47.5688, 0.2163, 0.2988)

Conversions

Conversions Part 1

Format	Color
Hex	00CADF
RGB	0, 202, 223
RGB Percent	0%, 79%, 87%
CMY	1.0000, 0.2078, 0.1254
CMYK	1.00, 0.09, 0.00, 0.13
HSL	186°, 100%, 44%
HSV	186°, 100%, 87%
XYZ	34.4348, 47.5688, 77.1958
YIQ	143.9960, -127.1330, -36.2930

Conversions

Conversions Part 2

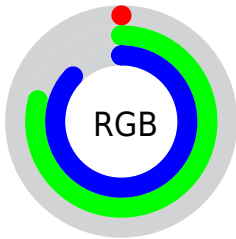
Format	Color
RYB	0, 106, 223
Decimal	51935
CIELab	74.55, -33.87, -22.21
CIELCh	75, 40.502, 213.259
Yxy	47.5688, 0.2163, 0.2988
Android (android.graphics.Color)	4278242015 (0xFF00CADF)
YUV	143.9960, 38.9490, -126.2845
Hunter-Lab	68.9701, -31.5777, -18.0821

Details

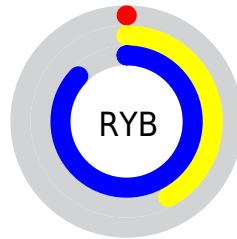
The Yxy color **47.5688, 0.2163, 0.2988** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **16.2288, 0.6338, 0.3350**, and the grayscale version is **27.7707, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.9912, 0.2411, 0.3288**, and **23.6946, 0.2137, 0.2893** is the 20% darker color. If you saturate the color by 10%, you get **47.5754, 0.2163, 0.2988**, and if you desaturate by 10%, it is **48.7424, 0.2186, 0.3020**.

Distribution



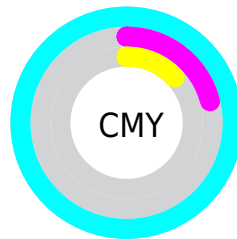
- Red (0%)
- Green (79%)
- Blue (87%)



- Red (0%)
- Yellow (42%)
- Blue (87%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (13%)





- Cyan (100%)
- Magenta (21%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.5688, 0.2163, 0.2988 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 47.5688, 0.2163, 0.2988 by changing the saturation by 10% instead.


 47.5688, 0.2163,
0.2988


 47.5688, 0.2163,
0.2988


377.0804, 0.2623,
0.3154


 33.4855, 0.2056,
0.2943


 86.5620, 0.2325,
0.3051


 22.4987, 0.1923,
0.2884


 112.2408, 0.2387,
0.3074

 14.2238, 0.1755,
0.2802

 142.5535, 0.2440,
0.3093

 8.2765, 0.1538,
0.2685

 177.8846, 0.2487,
0.3109

 4.2724, 0.1249,
0.2507

 218.6185, 0.2527,
0.3123

 1.8271, 0.0854,
0.2215

265.1394, 0.2563,

 0.5040, 0.0000,

0.3135

0.1620

317.8320, 0.2595,
0.3145

■ 0.0000, 0.0000,
0.0000

■ 47.5688, 0.2163,
0.2988

■ 47.5688, 0.2163,
0.2988

■ 47.5754, 0.2163,
0.2988

■ 48.7424, 0.2186,
0.3020

■ 50.1238, 0.2223,
0.3052

■ 51.7848, 0.2280,
0.3085

■ 53.7626, 0.2355,
0.3118

■ 56.0885, 0.2449,
0.3150

■ 58.7897, 0.2561,
0.3181

■ 61.8908, 0.2687,
0.3211

■ 65.4143, 0.2826,
0.3239

■ 69.3809, 0.2974,
0.3266

Harmonies

Analogous

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



47.5688, 0.2426, 0.3543



47.5688, 0.2163, 0.2988



47.5688, 0.2134, 0.2592

Triad

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



47.5688, 0.2163, 0.2988



47.5688, 0.3301, 0.2662



47.5688, 0.3929, 0.4207

Complementary

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



47.5688, 0.2163, 0.2988



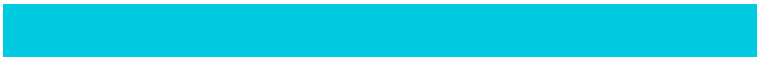
16.2288, 0.6338, 0.3350

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.



47.5688, 0.4218, 0.3870



47.5688, 0.2163, 0.2988



47.5688, 0.3849, 0.3013

Square

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



47.5688, 0.2163, 0.2988



47.5688, 0.2747, 0.2448



47.5688, 0.4197, 0.3440



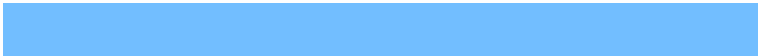
47.5688, 0.3436, 0.4310

Rectangle

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



47.5688, 0.2163, 0.2988



47.5688, 0.2244, 0.2450



47.5688, 0.4197, 0.3440



47.5688, 0.4054, 0.4113

Sweetspot

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



47.5754, 0.2163, 0.2988



83.7512, 0.2685, 0.3211



52.8345, 0.2987, 0.5954



17.5308, 0.2629, 0.3198



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.



47.5754, 0.2163, 0.2988



64.3568, 0.2163, 0.2986



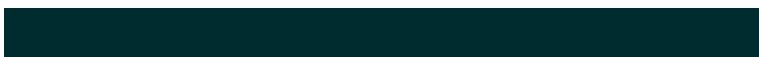
13.1450, 0.1692, 0.1291



15.3399, 0.2982, 0.3267



28.0568, 0.2165, 0.2993



2.0099, 0.2179, 0.3042

Inverse Universe

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



19.9568, 0.3465, 0.1682



27.0280, 0.3467, 0.1683



31.6834, 0.5179, 0.4270



13.9122, 0.3152, 0.3080



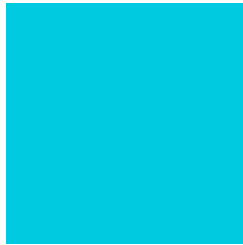
11.7404, 0.3460, 0.1680



0.8204, 0.3417, 0.1656

Previews

White Background



This preview shows how the Yxy color 47.5688, 0.2163, 0.2988 looks on a white background.

Color Contrast Check

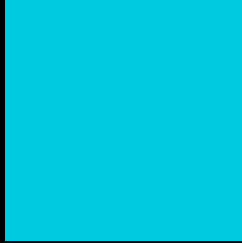
Large Text (above 18pt) WCAG AA × Fail

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 47.5688, 0.2163, 0.2988 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

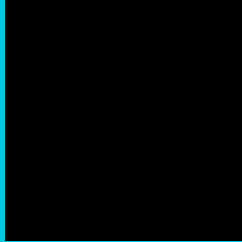
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.5688, 0.2163, 0.2988

Background



This preview shows how black text looks on a background with the Yxy color 47.5688, 0.2163, 0.2988.



This preview shows how white text looks on a background with the Yxy color 47.5688, 0.2163, 0.2988.

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

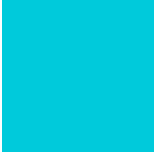
47.5688, 0.2163, 0.2988

Protanopia

46.9983, 0.2883, 0.2935

Deuteranopia

46.6723, 0.2743, 0.2676



Tritanopia

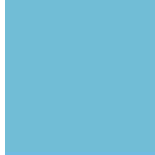
47.3555, 0.2179, 0.3043

Trichromacy



Original Color

47.5688, 0.2163, 0.2988



Protanomaly

44.7609, 0.2440, 0.2941



Deuteranomaly

44.4764, 0.2369, 0.2759



Tritanomaly

47.4084, 0.2175, 0.3029

Monochromacy



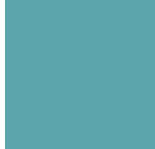
Original Color

47.5688, 0.2163, 0.2988



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 47.5688, 0.2163, 0.2988 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, 223)` looks like.

```
.text, #text, p{  
  color:rgb(0, 202, 223)  
}
```

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, 223) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 202, 223) }
```

Border

The CSS property to change the border of an element to Yxy 47.5688, 0.2163, 0.2988 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, 223) }
```

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

```
.border{ border-color:rgb(0, 202, 223) }
```

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, 223) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 202, 223); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 202, 223);  
box-shadow:4px 4px 4px 4px rgb(0, 202,  
223) }
```


Background

The CSS property to change the background color of an element to Yxy 47.5688, 0.2163, 0.2988 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, 223) }
```

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

```
.background{ background-color: rgb(0, 202,  
223) }
```

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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