

Converting Colors

$Yxy(38.6854, 0.1332, 0.3098)$

Have a look what the booklet for
Yxy(38.6854, 0.1332, 0.3098)
contains.

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Color

Yxy(47.0452, 0.2202, 0.3127)

Conversions

Conversions Part 1

Format	Color
Hex	00CAD5
RGB	0, 202, 213
RGB Percent	0%, 79%, 84%
CMY	1.0000, 0.2078, 0.1648
CMYK	1.00, 0.05, 0.00, 0.16
HSL	183°, 100%, 42%
HSV	183°, 100%, 84%
XYZ	33.1287, 47.0452, 70.2744
YIQ	142.8560, -123.9230, -39.4030

Conversions

Conversions Part 2

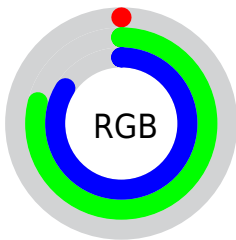
Format	Color
RYB	0, 104, 213
Decimal	51925
CIELab	74.22, -37.00, -17.29
CIELCh	74, 40.836, 205.049
Yxy	47.0452, 0.2202, 0.3127
Android (android.graphics.Color)	4278242005 (0xFF00CAD5)
YUV	142.8560, 34.5810, -125.2847
Hunter-Lab	68.5895, -33.8161, -12.7338

Details

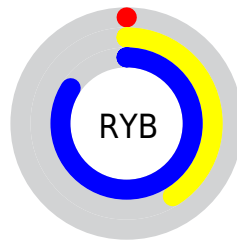
The Yxy color **47.0452, 0.2202, 0.3127** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.3830, 0.6369, 0.3325**, and the grayscale version is **27.3059, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.8658, 0.2405, 0.3288**, and **23.3361, 0.2187, 0.3074** is the 20% darker color. If you saturate the color by 10%, you get **47.0467, 0.2202, 0.3127**, and if you desaturate by 10%, it is **47.7268, 0.2220, 0.3144**.

Distribution



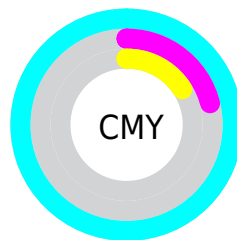
- Red (0%)
- Green (79%)
- Blue (84%)



- Red (0%)
- Yellow (41%)
- Blue (84%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (16%)





- Cyan (100%)
- Magenta (21%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 47.0452, 0.2202, 0.3127 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 47.0452, 0.2202, 0.3127 by changing the saturation by 10% instead.


 47.0452, 0.2202,
0.3127


 47.0452, 0.2202,
0.3127


374.9949, 0.2647,
0.3224


 33.0714, 0.2097,
0.3099


 85.7811, 0.2359,
0.3165


 22.1811, 0.1967,
0.3060


 111.3120, 0.2419,
0.3179


 13.9901, 0.1801,
0.3005


 141.4640, 0.2471,
0.3190

 8.1138, 0.1583,
0.2923

 176.6215, 0.2516,
0.3199

 4.1678, 0.1290,
0.2789

 217.1690, 0.2555,
0.3207

 1.7679, 0.0858,
0.2559

263.4908, 0.2589,

 0.4670, 0.0000,

0.3213

0.1948

315.9713, 0.2620,
0.3219

■ 0.0000, 0.0000,
0.0000

■ 47.0452, 0.2202,
0.3127

■ 47.0452, 0.2202,
0.3127

■ 47.0467, 0.2202,
0.3127

■ 47.7268, 0.2220,
0.3144

■ 48.5899, 0.2253,
0.3161

■ 49.6961, 0.2304,
0.3179

■ 51.0782, 0.2374,
0.3196

■ 52.7643, 0.2463,
0.3213

■ 54.7786, 0.2570,
0.3230

■ 57.1430, 0.2693,
0.3247

■ 59.8775, 0.2828,
0.3262

■ 63.0006, 0.2974,
0.3277

Harmonies

Analogous

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



47.0452, 0.2528, 0.3705



47.0452, 0.2202, 0.3127



47.0452, 0.2108, 0.2672

Triad

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



47.0452, 0.2202, 0.3127



47.0452, 0.3142, 0.2580



47.0452, 0.4044, 0.4141

Complementary

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



47.0452, 0.2202, 0.3127



14.3830, 0.6369, 0.3325

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.



47.0452, 0.4259, 0.3761



47.0452, 0.2202, 0.3127



47.0452, 0.3718, 0.2902

Square

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



47.0452, 0.2202, 0.3127



47.0452, 0.2611, 0.2411



47.0452, 0.4143, 0.3319



47.0452, 0.3588, 0.4327

Rectangle

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



47.0452, 0.2202, 0.3127



47.0452, 0.2177, 0.2487



47.0452, 0.4143, 0.3319



47.0452, 0.4148, 0.4028

Sweetspot

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



47.0469, 0.2202, 0.3127



85.7737, 0.2689, 0.3246



47.6043, 0.2993, 0.5974



18.0224, 0.2635, 0.3239



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.



47.0469, 0.2202, 0.3127



70.6374, 0.2202, 0.3125



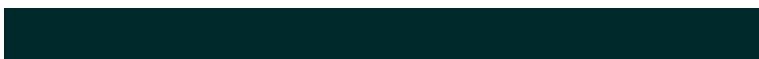
13.1413, 0.1722, 0.1399



13.9930, 0.2983, 0.3277



28.7901, 0.2203, 0.3129



1.7709, 0.2211, 0.3159

Inverse Universe

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



18.4086, 0.3344, 0.1616



27.6620, 0.3345, 0.1617



26.9004, 0.5273, 0.4195



12.6211, 0.3146, 0.3072



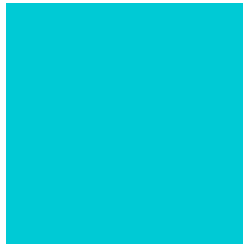
11.2512, 0.3342, 0.1615



0.6821, 0.3317, 0.1601

Previews

White Background



This preview shows how the Yxy color 47.0452, 0.2202, 0.3127 looks on a white background.

Color Contrast Check

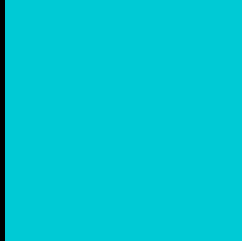
Large Text (above 18pt) WCAG AA × Fail

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 47.0452, 0.2202, 0.3127 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

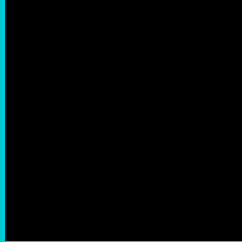
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 47.0452, 0.2202, 0.3127

Background



This preview shows how black text looks on a background with the Yxy color 47.0452, 0.2202, 0.3127.



This preview shows how white text looks on a background with the Yxy color 47.0452, 0.2202, 0.3127.

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

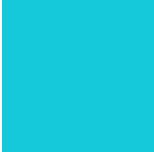
47.0452, 0.2202, 0.3127

Protanopia

46.3497, 0.2972, 0.3046

Deuteranopia

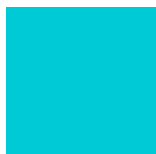
46.2621, 0.2833, 0.2769



Tritanopia

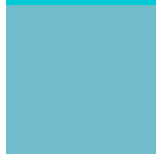
47.0058, 0.2192, 0.3043

Trichromacy



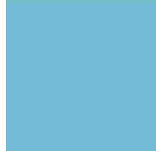
Original Color

47.0452, 0.2202, 0.3127



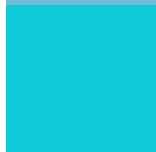
Protanomaly

43.9035, 0.2497, 0.3061



Deuteranomaly

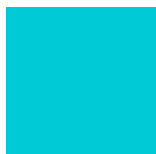
43.7724, 0.2427, 0.2860



Tritanomaly

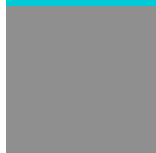
46.8245, 0.2194, 0.3070

Monochromacy



Original Color

47.0452, 0.2202, 0.3127



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

31.6022, 0.2513, 0.3221

CSS Examples

Text

The CSS property to change the color of the text to Yxy 47.0452, 0.2202, 0.3127 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, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 202, 213)  
}
```

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, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 202, 213) }
```

Border

The CSS property to change the border of an element to Yxy 47.0452, 0.2202, 0.3127 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, 213) }
```

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

```
.border{ border-color:rgb(0, 202, 213) }
```

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, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 202, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 202, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 202,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 47.0452, 0.2202, 0.3127 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, 213) }
```

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

```
.background{ background-color: rgb(0, 202,  
213) }
```

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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