

Converting Colors

$Y_{xy}(43.2972, 0.2194, 0.3063)$

Have a look what the booklet for
Yxy(43.2972, 0.2194, 0.3063)
contains.

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Color

Yxy(43.2972, 0.2194, 0.3063)

Conversions

Conversions Part 1

Format	Color
Hex	10C2D1
RGB	16, 194, 209
RGB Percent	6%, 76%, 82%
CMY	0.9374, 0.2392, 0.1804
CMYK	0.92, 0.07, 0.00, 0.18
HSL	185°, 86%, 44%
HSV	185°, 92%, 82%
XYZ	31.0134, 43.2972, 67.0449
YIQ	142.4880, -110.9030, -33.0710

Conversions

Conversions Part 2

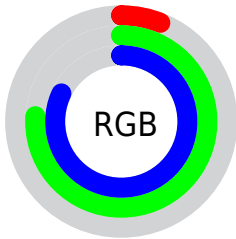
Format	Color
RYB	16, 109, 209
Decimal	1098449
CIELab	71.76, -34.04, -18.85
CIELCh	72, 38.906, 208.974
Yxy	43.2972, 0.2194, 0.3063
Android (android.graphics.Color)	4279288529 (0xFF10C2D1)
YUV	142.4880, 32.7904, -110.9300
Hunter-Lab	65.8006, -31.0197, -14.3508

Details

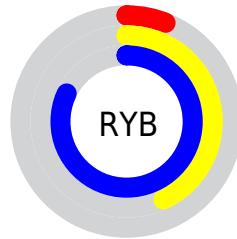
The Yxy color **43.2972, 0.2194, 0.3063** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **14.5714, 0.6202, 0.3363**, and the grayscale version is **27.1514, 0.3127, 0.3290**.

A 20% lighter version of the original color is **79.4025, 0.2397, 0.3241**, and **21.1227, 0.2163, 0.2988** is the 20% darker color. If you saturate the color by 10%, you get **42.6387, 0.2179, 0.3043**, and if you desaturate by 10%, it is **44.3067, 0.2226, 0.3089**.

Distribution



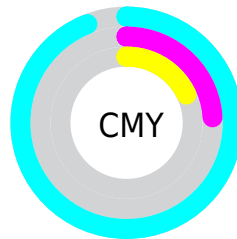
- Red (6%)
- Green (76%)
- Blue (82%)



- Red (6%)
- Yellow (43%)
- Blue (82%)



- Cyan (92%)
- Magenta (7%)
- Yellow (0%)
- Black (18%)




- Cyan (94%)
- Magenta (24%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 43.2972, 0.2194, 0.3063 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 43.2972, 0.2194, 0.3063 by changing the saturation by 10% instead.


 43.2972, 0.2194,
0.3063


 43.2972, 0.2194,
0.3063


359.8326, 0.2648,
0.3193


 30.1184, 0.2086,
0.3026


 80.1592, 0.2356,
0.3114


 19.9285, 0.1950,
0.2976

 104.6111, 0.2417,
0.3132

 12.3430, 0.1776,
0.2905


 133.5895, 0.2470,
0.3147

 6.9778, 0.1547,
0.2799

 167.4788, 0.2515,
0.3159

 3.4482, 0.1236,
0.2628

 206.6633, 0.2555,
0.3170

 1.3700, 0.0698,
0.2356

251.5275, 0.2590,

 0.1944, 0.0000,

0.3179

0.1056

302.4558, 0.2621,
0.3186

■ 0.0000, 0.0000,
0.0000

■ 43.2972, 0.2194,
0.3063

■ 43.2972, 0.2194,
0.3063

■ 42.6387, 0.2179,
0.3043

■ 44.3067, 0.2226,
0.3089

■ 45.5432, 0.2276,
0.3116

■ 47.0415, 0.2345,
0.3142

■ 48.8290, 0.2433,
0.3169

■ 50.9296, 0.2539,
0.3195

■ 53.3649, 0.2660,
0.3220

■ 56.1542, 0.2794,
0.3243

■ 59.3156, 0.2939,
0.3265

■ 62.8658, 0.3091,
0.3285

Harmonies

Analogous

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



43.2972, 0.2487, 0.3623



43.2972, 0.2194, 0.3063



43.2972, 0.2132, 0.2641

Triad

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



43.2972, 0.2194, 0.3063



43.2972, 0.3217, 0.2627



43.2972, 0.3979, 0.4163

Complementary

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



43.2972, 0.2194, 0.3063



14.5714, 0.6202, 0.3363

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.



43.2972, 0.4226, 0.3808



43.2972, 0.2194, 0.3063



43.2972, 0.3773, 0.2960

Square

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



43.2972, 0.2194, 0.3063



43.2972, 0.2682, 0.2438



43.2972, 0.4156, 0.3377



43.2972, 0.3511, 0.4306

Rectangle

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



43.2972, 0.2194, 0.3063



43.2972, 0.2220, 0.2479



43.2972, 0.4156, 0.3377



43.2972, 0.4092, 0.4061

Sweetspot

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



43.2988, 0.2194, 0.3063



85.3923, 0.2713, 0.3229



45.7999, 0.2986, 0.5887



17.8855, 0.2656, 0.3219



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.



43.2988, 0.2194, 0.3063



66.7435, 0.2178, 0.3040



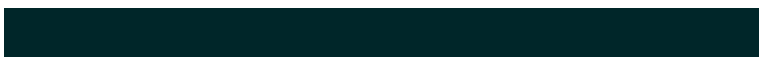
13.7548, 0.1763, 0.1493



13.2433, 0.2983, 0.3271



26.3554, 0.2180, 0.3047



1.5214, 0.2193, 0.3095

Inverse Universe

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



17.8206, 0.3397, 0.1672



27.2689, 0.3419, 0.1657



28.3504, 0.5093, 0.4276



11.9925, 0.3149, 0.3078



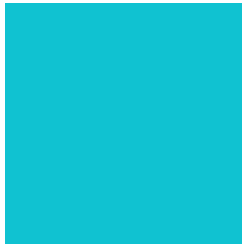
10.7319, 0.3413, 0.1654



0.6049, 0.3372, 0.1631

Previews

White Background



This preview shows how the Yxy color 43.2972, 0.2194, 0.3063 looks on a white background.

Color Contrast Check

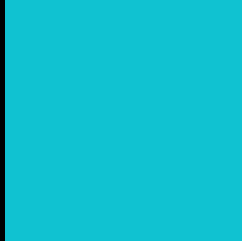
Large Text (above 18pt) WCAG AA × Fail

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 43.2972, 0.2194, 0.3063 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

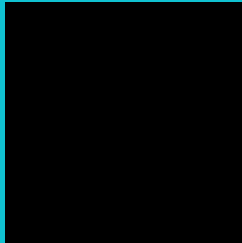
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.2972, 0.2194, 0.3063

Background



This preview shows how black text looks on a background with the Yxy color 43.2972, 0.2194, 0.3063.



This preview shows how white text looks on a background with the Yxy color 43.2972, 0.2194, 0.3063.

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

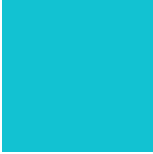
43.2972, 0.2194, 0.3063

Protanopia

42.4852, 0.2935, 0.2998

Deuteranopia

42.6388, 0.2794, 0.2739



Tritanopia

43.3653, 0.2192, 0.3049

Trichromacy



Original Color

43.2972, 0.2194, 0.3063



Protanomaly

40.8627, 0.2508, 0.3013



Deuteranomaly

40.6385, 0.2436, 0.2822



Tritanomaly

43.3559, 0.2191, 0.3049

Monochromacy



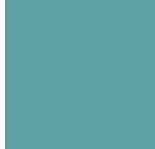
Original Color

43.2972, 0.2194, 0.3063



Achromatopsia

27.0498, 0.3127, 0.3290



Achromatomaly

30.7297, 0.2550, 0.3204

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.2972, 0.2194, 0.3063 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(16, 194, 209)` looks like.

```
.text, #text, p{  
    color:rgb(16, 194, 209)  
}
```

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(16, 194, 209) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 194, 209) }
```

Border

The CSS property to change the border of an element to Yxy 43.2972, 0.2194, 0.3063 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(16, 194, 209) }
```

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

```
.border{ border-color:rgb(16, 194, 209) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 194, 209)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 194, 209); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 194, 209);  
box-shadow:4px 4px 4px 4px rgb(16, 194,  
209) }
```


Background

The CSS property to change the background color of an element to Yxy 43.2972, 0.2194, 0.3063 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 194, 209) }
```

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

```
.background{ background-color: rgb(16, 194,  
209) }
```

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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