

Converting Colors

$Y_{xy}(51.1067, 0.2109, 0.3088)$

Have a look what the booklet for
Yxy(51.1067, 0.2109, 0.3088)
contains.

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Color

Yxy(52.0248, 0.2192, 0.3092)

Conversions

Conversions Part 1

Format	Color
Hex	00D3E1
RGB	0, 211, 225
RGB Percent	0%, 83%, 88%
CMY	1.0000, 0.1725, 0.1175
CMYK	1.00, 0.06, 0.00, 0.12
HSL	184°, 100%, 44%
HSV	184°, 100%, 88%
XYZ	36.8817, 52.0248, 79.3496
YIQ	149.5070, -130.2500, -40.3780

Conversions

Conversions Part 2

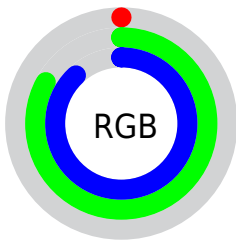
Format	Color
RYB	0, 109, 225
Decimal	54241
CIELab	77.30, -37.44, -19.13
CIELCh	77, 42.045, 207.058
Yxy	52.0248, 0.2192, 0.3092
Android (android.graphics.Color)	4278244321 (0xFF00D3E1)
YUV	149.5070, 37.2180, -131.1176
Hunter-Lab	72.1282, -34.9509, -14.7363

Details

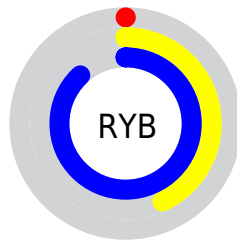
The Yxy color **52.0248, 0.2192, 0.3092** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.3263, 0.6364, 0.3329**, and the grayscale version is **30.1641, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **26.6792, 0.2176, 0.3032** is the 20% darker color. If you saturate the color by 10%, you get **52.0304, 0.2192, 0.3092**, and if you desaturate by 10%, it is **52.9063, 0.2211, 0.3113**.

Distribution



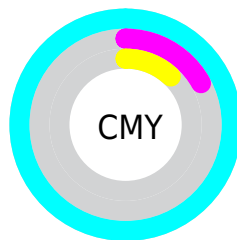
- Red (0%)
- Green (83%)
- Blue (88%)



- Red (0%)
- Yellow (43%)
- Blue (88%)



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (12%)





- Cyan (100%)
- Magenta (17%)
- Yellow (12%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 52.0248, 0.2192, 0.3092 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 52.0248, 0.2192, 0.3092 by changing the saturation by 10% instead.


 52.0248, 0.2192,
0.3092

 52.0248, 0.2192,
0.3092


394.5323, 0.2633,
0.3205

 37.0248, 0.2090,
0.3061


 93.1678, 0.2346,
0.3136


 25.2267, 0.1965,
0.3019


 120.0797, 0.2406,
0.3151


 16.2461, 0.1807,
0.2960


 151.7309, 0.2457,
0.3164

 9.6984, 0.1603,
0.2876

 188.5060, 0.2501,
0.3175

 5.1995, 0.1332,
0.2744

 230.7893, 0.2541,
0.3184

 2.3648, 0.0968,
0.2523

278.9652, 0.2575,

 0.8077, 0.0000,

0.3192

0.2216

333.4181, 0.2606,
0.3199

■ 0.0000, 0.0000,
0.0000

■ 52.0248, 0.2192,
0.3092

■ 52.0248, 0.2192,
0.3092

■ 52.0304, 0.2192,
0.3092

■ 52.9063, 0.2211,
0.3113

■ 53.9936, 0.2245,
0.3134

■ 55.3587, 0.2297,
0.3155

■ 57.0395, 0.2368,
0.3176

■ 59.0678, 0.2458,
0.3197

■ 61.4717, 0.2567,
0.3218

■ 64.2762, 0.2690,
0.3238

■ 67.5042, 0.2827,
0.3256

■ 71.1768, 0.2974,
0.3274

Harmonies

Analogous

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



52.0248, 0.2502, 0.3665



52.0248, 0.2192, 0.3092



52.0248, 0.2114, 0.2652

Triad

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



52.0248, 0.2192, 0.3092



52.0248, 0.3181, 0.2600



52.0248, 0.4016, 0.4158

Complementary

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



52.0248, 0.2192, 0.3092



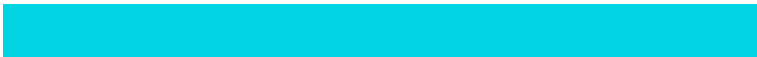
16.3263, 0.6364, 0.3329

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.



52.0248, 0.4250, 0.3788



52.0248, 0.2192, 0.3092



52.0248, 0.3751, 0.2929

Square

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



52.0248, 0.2192, 0.3092



52.0248, 0.2644, 0.2420



52.0248, 0.4157, 0.3349



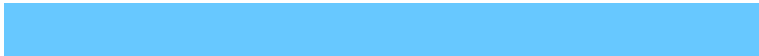
52.0248, 0.3550, 0.4324

Rectangle

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



52.0248, 0.2192, 0.3092



52.0248, 0.2193, 0.2478



52.0248, 0.4157, 0.3349



52.0248, 0.4126, 0.4049

Sweetspot

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



52.0304, 0.2192, 0.3092



85.2613, 0.2688, 0.3237



53.8892, 0.2993, 0.5975



17.8978, 0.2633, 0.3229



0.0000, 0.0000, 0.0000



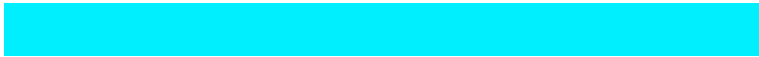
21.4041, 0.3127, 0.3290

Same Dimension

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



52.0304, 0.2192, 0.3092



69.0206, 0.2192, 0.3091



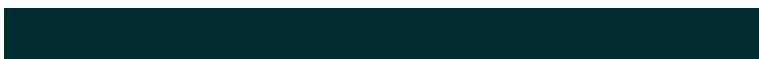
14.7959, 0.1720, 0.1393



15.4184, 0.2982, 0.3275



30.0391, 0.2193, 0.3095



2.1270, 0.2202, 0.3127

Inverse Universe

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



20.7153, 0.3374, 0.1632



27.4988, 0.3375, 0.1633



30.3680, 0.5278, 0.4191



13.9201, 0.3147, 0.3073



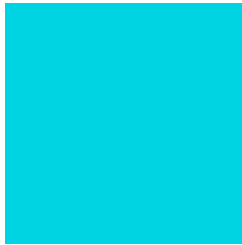
11.9405, 0.3371, 0.1631



0.8322, 0.3344, 0.1616

Previews

White Background



This preview shows how the Yxy color 52.0248, 0.2192, 0.3092 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 52.0248, 0.2192, 0.3092 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

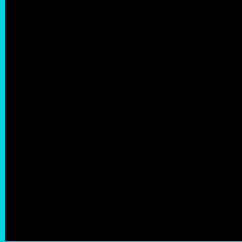
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.0248, 0.2192, 0.3092

Background



This preview shows how black text looks on a background with the Yxy color 52.0248, 0.2192, 0.3092.



This preview shows how white text looks on a background with the Yxy color 52.0248, 0.2192, 0.3092.

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

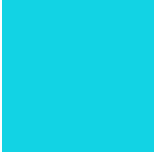
52.0248, 0.2192, 0.3092

Protanopia

51.1844, 0.2956, 0.3020

Deuteranopia

51.0322, 0.2810, 0.2744



Tritanopia

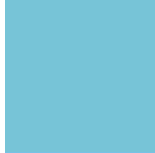
52.3186, 0.2191, 0.3053

Trichromacy



Original Color

52.0248, 0.2192, 0.3092



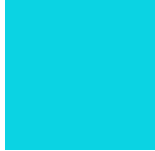
Protanomaly

48.3081, 0.2484, 0.3030



Deuteranomaly

48.1627, 0.2408, 0.2825



Tritanomaly

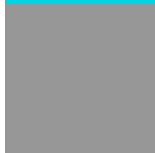
52.2057, 0.2190, 0.3066

Monochromacy



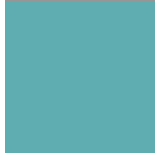
Original Color

52.0248, 0.2192, 0.3092



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

35.1123, 0.2504, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.0248, 0.2192, 0.3092 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, 211, 225)` looks like.

```
.text, #text, p{  
    color:rgb(0, 211, 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, 211, 225) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 211, 225) }
```

Border

The CSS property to change the border of an element to Yxy 52.0248, 0.2192, 0.3092 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, 211, 225) }
```

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

```
.border{ border-color:rgb(0, 211, 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, 211, 225) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 211, 225); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 211, 225);  
box-shadow:4px 4px 4px 4px rgb(0, 211,  
225) }
```


Background

The CSS property to change the background color of an element to Yxy 52.0248, 0.2192, 0.3092 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 211, 225) }
```

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

```
.background{ background-color: rgb(0, 211,  
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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