

Converting Colors

$Yxy(52.5431, 0.2188, 0.3078)$

Have a look what the booklet for
Yxy(52.5431, 0.2188, 0.3078)
contains.

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Color

Yxy(52.6330, 0.2189, 0.3080)

Conversions

Conversions Part 1

Format	Color
Hex	00D4E3
RGB	0, 212, 227
RGB Percent	0%, 83%, 89%
CMY	0.9995, 0.1686, 0.1099
CMYK	1.00, 0.07, 0.00, 0.11
HSL	184°, 100%, 45%
HSV	184°, 100%, 89%
XYZ	37.4070, 52.6330, 80.8463
YIQ	150.3220, -131.1670, -40.2790

Conversions

Conversions Part 2

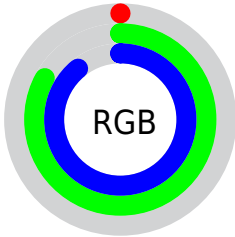
Format	Color
RYB	0, 110, 227
Decimal	54499
CIELab	77.66, -37.28, -19.63
CIELCh	78, 42.131, 207.764
Yxy	52.6330, 0.2189, 0.3080
Android (android.graphics.Color)	4278244579 (0xFF00D4E3)
YUV	150.3220, 37.8023, -131.8324
Hunter-Lab	72.5486, -34.9231, -15.2873

Details

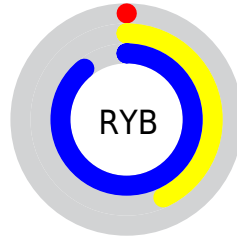
The Yxy color **52.6330, 0.2189, 0.3080** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **16.6727, 0.6361, 0.3330**, and the grayscale version is **30.5379, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1195, 0.2417, 0.3288**, and **27.0925, 0.2171, 0.3016** is the 20% darker color. If you saturate the color by 10%, you get **52.6300, 0.2189, 0.3080**, and if you desaturate by 10%, it is **53.5669, 0.2208, 0.3102**.

Distribution



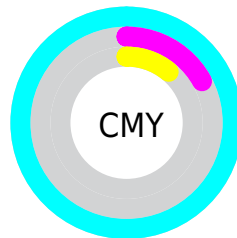
- Red (0%)
- Green (83%)
- Blue (89%)



- Red (0%)
- Yellow (43%)
- Blue (89%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (11%)





- Cyan (100%)
- Magenta (17%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 52.6330, 0.2189, 0.3080 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 52.6330, 0.2189, 0.3080 by changing the saturation by 10% instead.


 52.6330, 0.2189,
0.3080

 52.6330, 0.2189,
0.3080


396.8755, 0.2630,
0.3198


 37.5099, 0.2088,
0.3047


 94.0641, 0.2343,
0.3126


 25.6025, 0.1963,
0.3004


 121.1409, 0.2403,
0.3142


 16.5265, 0.1805,
0.2944


 152.9710, 0.2454,
0.3156

 9.8975, 0.1603,
0.2857

 189.9389, 0.2498,
0.3167

 5.3310, 0.1335,
0.2723

 232.4288, 0.2538,
0.3177

 2.4428, 0.0975,
0.2501

280.8253, 0.2572,

 0.8478, 0.0000,

0.3185

0.2203

335.5128, 0.2603,
0.3192

■ 0.0000, 0.0000,
0.0000

■ 52.6330, 0.2189,
0.3080

■ 52.6330, 0.2189,
0.3080

■ 52.6300, 0.2189,
0.3080

■ 53.5669, 0.2208,
0.3102

■ 54.7164, 0.2242,
0.3124

■ 56.1501, 0.2295,
0.3147

■ 57.9070, 0.2367,
0.3169

■ 60.0194, 0.2458,
0.3192

■ 62.5161, 0.2566,
0.3214

■ 65.4226, 0.2690,
0.3235

■ 68.7622, 0.2827,
0.3254

■ 72.5565, 0.2974,
0.3273

Harmonies

Analogous

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



52.6330, 0.2494, 0.3651



52.6330, 0.2189, 0.3080



52.6330, 0.2117, 0.2645

Triad

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



52.6330, 0.2189, 0.3080



52.6330, 0.3195, 0.2608



52.6330, 0.4005, 0.4163

Complementary

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



52.6330, 0.2189, 0.3080



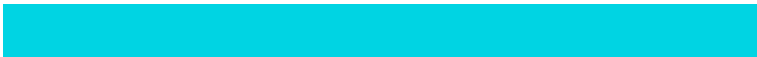
16.6727, 0.6361, 0.3330

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.



52.6330, 0.4246, 0.3797



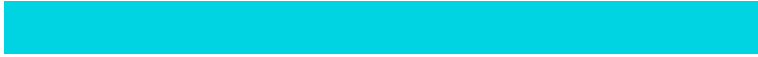
52.6330, 0.2189, 0.3080



52.6330, 0.3762, 0.2939

Square

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



52.6330, 0.2189, 0.3080



52.6330, 0.2656, 0.2423



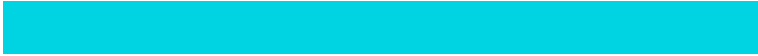
52.6330, 0.4161, 0.3359



52.6330, 0.3537, 0.4322

Rectangle

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



52.6330, 0.2189, 0.3080



52.6330, 0.2199, 0.2475



52.6330, 0.4161, 0.3359



52.6330, 0.4117, 0.4056

Sweetspot

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



52.6349, 0.2189, 0.3080



85.0840, 0.2687, 0.3234



54.9541, 0.2993, 0.5975



17.8546, 0.2633, 0.3225



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.



52.6349, 0.2189, 0.3080



68.4650, 0.2189, 0.3079



15.0899, 0.1721, 0.1393



16.1648, 0.2982, 0.3274



30.7677, 0.2190, 0.3083



2.3230, 0.2199, 0.3115

Inverse Universe

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



21.0843, 0.3384, 0.1638



27.4427, 0.3386, 0.1639



30.9690, 0.5277, 0.4191



14.5979, 0.3148, 0.3073



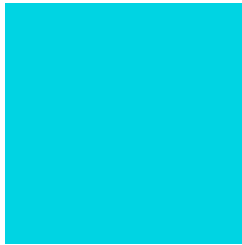
12.3037, 0.3382, 0.1636



0.9142, 0.3354, 0.1621

Previews

White Background



This preview shows how the Yxy color 52.6330, 0.2189, 0.3080 looks on a white background.

Color Contrast Check

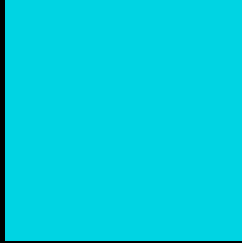
Large Text (above 18pt) WCAG AA × Fail

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 52.6330, 0.2189, 0.3080 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

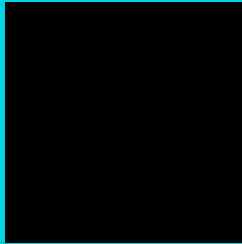
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 52.6330, 0.2189, 0.3080

Background



This preview shows how black text looks on a background with the Yxy color 52.6330, 0.2189, 0.3080.



This preview shows how white text looks on a background with the Yxy color 52.6330, 0.2189, 0.3080.

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

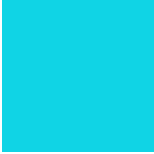
52.6330, 0.2189, 0.3080

Protanopia

51.7135, 0.2942, 0.3008

Deuteranopia

51.6924, 0.2805, 0.2735



Tritanopia

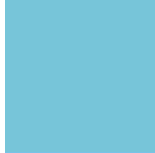
52.8543, 0.2190, 0.3054

Trichromacy



Original Color

52.6330, 0.2189, 0.3080



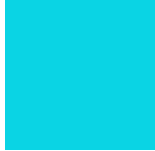
Protanomaly

48.8642, 0.2476, 0.3018



Deuteranomaly

48.7928, 0.2405, 0.2816



Tritanomaly

52.7529, 0.2190, 0.3067

Monochromacy



Original Color

52.6330, 0.2189, 0.3080



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

35.5344, 0.2501, 0.3208

CSS Examples

Text

The CSS property to change the color of the text to Yxy 52.6330, 0.2189, 0.3080 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, 212, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 212, 227)  
}
```

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, 212, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 212, 227) }
```

Border

The CSS property to change the border of an element to Yxy 52.6330, 0.2189, 0.3080 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, 212, 227) }
```

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

```
.border{ border-color:rgb(0, 212, 227) }
```

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

Here you see how a box with a 4 pixel rgb(0, 212, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 212, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 212, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 212,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 52.6330, 0.2189, 0.3080 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 212, 227) }
```

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

```
.background{ background-color: rgb(0, 212,  
227) }
```

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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