

Converting Colors

$Yxy(44.0904, 0.1787, 0.2924)$

Have a look what the booklet for
Yxy(44.0904, 0.1787, 0.2924)
contains.

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Color

Yxy(48.2579, 0.2153, 0.2950)

Conversions

Conversions Part 1

Format	Color
Hex	00CBE3
RGB	0, 203, 227
RGB Percent	0%, 80%, 89%
CMY	0.9987, 0.2039, 0.1099
CMYK	1.00, 0.11, 0.00, 0.11
HSL	186°, 100%, 45%
HSV	186°, 100%, 89%
XYZ	35.2201, 48.2579, 80.1081
YIQ	145.0390, -128.6920, -35.5720

Conversions

Conversions Part 2

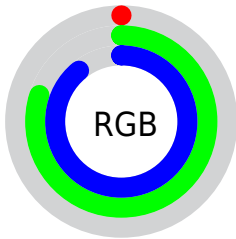
Format	Color
RYB	0, 107, 227
Decimal	52195
CIELab	74.99, -33.05, -23.68
CIELCh	75, 40.660, 215.614
Yxy	48.2579, 0.2153, 0.2950
Android (android.graphics.Color)	4278242275 (0xFF00CBE3)
YUV	145.0390, 40.4068, -127.1992
Hunter-Lab	69.4679, -31.0697, -19.7438

Details

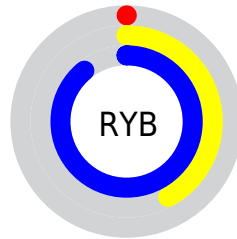
The Yxy color **48.2579, 0.2153, 0.2950** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle washed cyan. A complement of this color would be **16.9925, 0.6325, 0.3358**, and the grayscale version is **28.2464, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.0550, 0.2414, 0.3288**, and **24.1584, 0.2123, 0.2844** is the 20% darker color. If you saturate the color by 10%, you get **48.2406, 0.2153, 0.2949**, and if you desaturate by 10%, it is **49.5825, 0.2177, 0.2986**.

Distribution



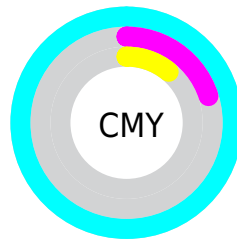
- Red (0%)
- Green (80%)
- Blue (89%)



- Red (0%)
- Yellow (42%)
- Blue (89%)



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




- Cyan (100%)
- Magenta (20%)
- Yellow (11%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 48.2579, 0.2153, 0.2950 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 48.2579, 0.2153, 0.2950 by changing the saturation by 10% instead.


 48.2579, 0.2153,
0.2950

 48.2579, 0.2153,
0.2950


 379.8135, 0.2616,
0.3134


 34.0312, 0.2046,
0.2901


 87.5883, 0.2315,
0.3019

 22.9175, 0.1913,
0.2837


 113.4607, 0.2378,
0.3045


 14.5326, 0.1746,
0.2749


 143.9838, 0.2432,
0.3066

 8.4920, 0.1530,
0.2625

 179.5420, 0.2478,
0.3084

 4.4114, 0.1245,
0.2438

 220.5197, 0.2519,
0.3099

 1.9062, 0.0864,
0.2138

 267.3012, 0.2555,

 0.5521, 0.0000,

0.3112

0.1590

320.2710, 0.2587,
0.3124

■ 0.0000, 0.0000,
0.0000

■ 48.2579, 0.2153,
0.2950

■ 48.2579, 0.2153,
0.2950

■ 48.2406, 0.2153,
0.2949

■ 49.5825, 0.2177,
0.2986

■ 51.1348, 0.2216,
0.3023

■ 52.9824, 0.2274,
0.3060

■ 55.1642, 0.2351,
0.3097

■ 57.7126, 0.2447,
0.3133

■ 60.6564, 0.2560,
0.3168

■ 64.0211, 0.2688,
0.3202

■ 67.8301, 0.2827,
0.3234

■ 72.1050, 0.2976,
0.3263

Harmonies

Analogous

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



48.2579, 0.2398, 0.3497



48.2579, 0.2153, 0.2950



48.2579, 0.2143, 0.2571

Triad

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



48.2579, 0.2153, 0.2950



48.2579, 0.3347, 0.2686



48.2579, 0.3895, 0.4225

Complementary

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



48.2579, 0.2153, 0.2950



16.9925, 0.6325, 0.3358

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.



48.2579, 0.4205, 0.3901



48.2579, 0.2153, 0.2950



48.2579, 0.3886, 0.3045

Square

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



48.2579, 0.2153, 0.2950



48.2579, 0.2787, 0.2460



48.2579, 0.4210, 0.3475



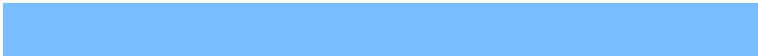
48.2579, 0.3393, 0.4303

Rectangle

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



48.2579, 0.2153, 0.2950



48.2579, 0.2265, 0.2440



48.2579, 0.4210, 0.3475



48.2579, 0.4026, 0.4137

Sweetspot

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



48.2596, 0.2153, 0.2950



83.2108, 0.2683, 0.3201



54.9853, 0.2984, 0.5940



17.3996, 0.2628, 0.3187



0.0000, 0.0000, 0.0000



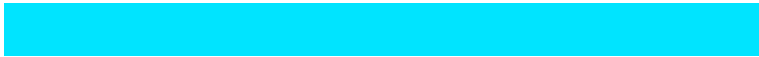
21.4041, 0.3127, 0.3290

Same Dimension

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



48.2596, 0.2153, 0.2950



62.7253, 0.2152, 0.2947



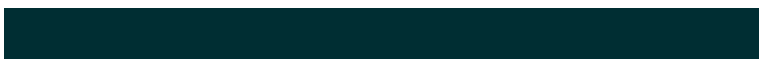
13.0271, 0.1679, 0.1242



16.0622, 0.2982, 0.3264



28.2457, 0.2154, 0.2955



2.1624, 0.2169, 0.3008

Inverse Universe

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



20.6451, 0.3498, 0.1701



26.8633, 0.3501, 0.1702



34.0243, 0.5130, 0.4308



14.5876, 0.3154, 0.3082



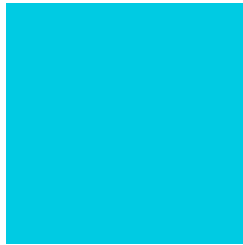
12.0491, 0.3494, 0.1698



0.8980, 0.3447, 0.1673

Previews

White Background



This preview shows how the Yxy color 48.2579, 0.2153, 0.2950 looks on a white background.

Color Contrast Check

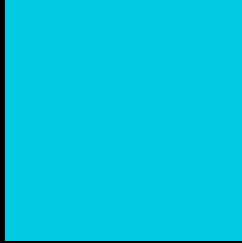
Large Text (above 18pt) WCAG AA × Fail

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 48.2579, 0.2153, 0.2950 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

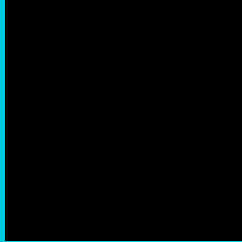
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 48.2579, 0.2153, 0.2950

Background



This preview shows how black text looks on a background with the Yxy color 48.2579, 0.2153, 0.2950.



This preview shows how white text looks on a background with the Yxy color 48.2579, 0.2153, 0.2950.

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

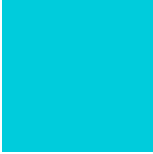
48.2579, 0.2153, 0.2950

Protanopia

47.7250, 0.2863, 0.2901

Deuteranopia

47.5827, 0.2711, 0.2657



Tritanopia

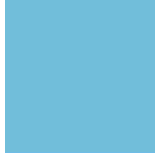
48.3530, 0.2183, 0.3059

Trichromacy



Original Color

48.2579, 0.2153, 0.2950



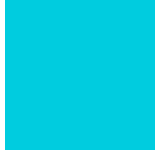
Protanomaly

45.3996, 0.2422, 0.2903



Deuteranomaly

45.0591, 0.2347, 0.2724



Tritanomaly

48.5134, 0.2172, 0.3018

Monochromacy



Original Color

48.2579, 0.2153, 0.2950



Achromatopsia

28.3149, 0.3127, 0.3290



Achromatomaly

32.6429, 0.2481, 0.3141

CSS Examples

Text

The CSS property to change the color of the text to Yxy 48.2579, 0.2153, 0.2950 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, 203, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 203, 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, 203, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 203, 227) }
```

Border

The CSS property to change the border of an element to Yxy 48.2579, 0.2153, 0.2950 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, 203, 227) }
```

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

```
.border{ border-color:rgb(0, 203, 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, 203, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 203, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 203, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 203,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 48.2579, 0.2153, 0.2950 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 203, 227) }
```

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

```
.background{ background-color: rgb(0, 203,  
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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