

Converting Colors

$Yxy(51.9164, 0.1982, 0.3027)$

Have a look what the booklet for
Yxy(51.9164, 0.1982, 0.3027)
contains.

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Color

Yxy(54.4841, 0.2179, 0.3043)

Conversions

Conversions Part 1

Format	Color
Hex	01D7E9
RGB	1, 215, 233
RGB Percent	0%, 84%, 91%
CMY	0.9971, 0.1569, 0.0863
CMYK	1.00, 0.08, 0.00, 0.09
HSL	185°, 99%, 46%
HSV	185°, 100%, 91%
XYZ	39.0144, 54.4841, 85.5488
YIQ	153.0660, -133.3220, -39.7700

Conversions

Conversions Part 2

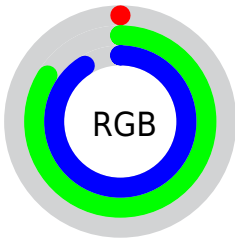
Format	Color
RYB	1, 112, 233
Decimal	120809
CIELab	78.74, -36.78, -21.20
CIELCh	79, 42.456, 209.956
Yxy	54.4841, 0.2179, 0.3043
Android (android.graphics.Color)	4278310889 (0xFF01D7E9)
YUV	153.0660, 39.4075, -133.3619
Hunter-Lab	73.8133, -34.8263, -17.0471

Details

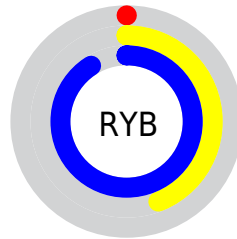
The Yxy color **54.4841, 0.2179, 0.3043** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **17.7822, 0.6350, 0.3337**, and the grayscale version is **31.7172, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.1847, 0.2420, 0.3288**, and **28.3159, 0.2163, 0.2987** is the 20% darker color. If you saturate the color by 10%, you get **54.4520, 0.2178, 0.3042**, and if you desaturate by 10%, it is **55.6009, 0.2199, 0.3069**.

Distribution



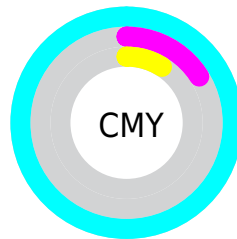
- Red (0%)
- Green (84%)
- Blue (91%)



- Red (0%)
- Yellow (44%)
- Blue (91%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (9%)




- Cyan (100%)
- Magenta (16%)
- Yellow (9%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 54.4841, 0.2179, 0.3043 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 54.4841, 0.2179, 0.3043 by changing the saturation by 10% instead.


 54.4841, 0.2179,
0.3043


 54.4841, 0.2179,
0.3043


403.9533, 0.2622,
0.3179

 38.9888, 0.2078,
0.3006


 96.7847, 0.2333,
0.3095


 26.7510, 0.1955,
0.2958


 124.3588, 0.2392,
0.3113

 17.3863, 0.1799,
0.2893


 156.7279, 0.2444,
0.3129

 10.5103, 0.1601,
0.2800

 194.2765, 0.2489,
0.3142

 5.7386, 0.1340,
0.2660

 237.3890, 0.2528,
0.3153

 2.6868, 0.0993,
0.2433

286.4496, 0.2563,

 0.9705, 0.0049,

0.3163

0.2139

341.8430, 0.2594,
0.3171

■ 0.0000, 0.0000,
0.0000

■ 54.4841, 0.2179,
0.3043

■ 54.4841, 0.2179,
0.3043

■ 54.4520, 0.2178,
0.3042

■ 55.6009, 0.2199,
0.3069

■ 56.9538, 0.2235,
0.3095

■ 58.6127, 0.2290,
0.3122

■ 60.6187, 0.2363,
0.3149

■ 63.0066, 0.2456,
0.3175

■ 65.8067, 0.2567,
0.3201

■ 69.0462, 0.2692,
0.3226

■ 72.7501, 0.2830,
0.3249

■ 76.9412, 0.2978,
0.3271

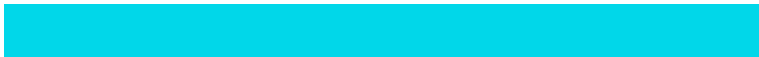
Harmonies

Analogous

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



54.4841, 0.2467, 0.3608



54.4841, 0.2179, 0.3043



54.4841, 0.2124, 0.2624

Triad

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



54.4841, 0.2179, 0.3043



54.4841, 0.3237, 0.2630



54.4841, 0.3974, 0.4180

Complementary

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



54.4841, 0.2179, 0.3043



17.7822, 0.6350, 0.3337

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.



54.4841, 0.4235, 0.3826



54.4841, 0.2179, 0.3043



54.4841, 0.3797, 0.2969

Square

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



54.4841, 0.2179, 0.3043



54.4841, 0.2693, 0.2434



54.4841, 0.4175, 0.3391



54.4841, 0.3497, 0.4317

Rectangle

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



54.4841, 0.2179, 0.3043



54.4841, 0.2218, 0.2465



54.4841, 0.4175, 0.3391



54.4841, 0.4092, 0.4079

Sweetspot

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



54.4861, 0.2179, 0.3043



84.5389, 0.2686, 0.3225



58.3198, 0.2991, 0.5965



17.7221, 0.2631, 0.3214



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.



54.4861, 0.2179, 0.3043



66.7703, 0.2178, 0.3041



15.2704, 0.1707, 0.1343



16.9104, 0.2981, 0.3271



30.9814, 0.2180, 0.3046



2.4923, 0.2190, 0.3082

Inverse Universe

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



22.2455, 0.3416, 0.1657



27.2717, 0.3418, 0.1657



33.9236, 0.5226, 0.4230



15.2925, 0.3150, 0.3076



12.6204, 0.3414, 0.1654



0.9970, 0.3382, 0.1637

Previews

White Background



This preview shows how the Yxy color 54.4841, 0.2179, 0.3043 looks on a white background.

Color Contrast Check

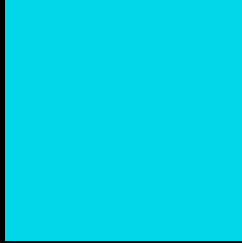
Large Text (above 18pt) WCAG AA × Fail

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 54.4841, 0.2179, 0.3043 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

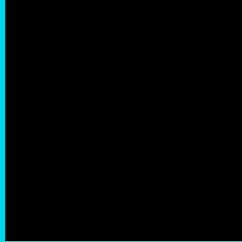
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 54.4841, 0.2179, 0.3043

Background



This preview shows how black text looks on a background with the Yxy color 54.4841, 0.2179, 0.3043.

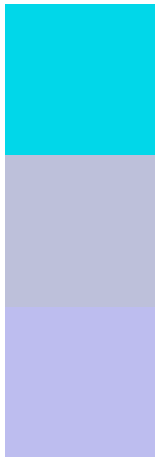


This preview shows how white text looks on a background with the Yxy color 54.4841, 0.2179, 0.3043.

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

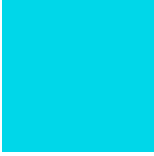
54.4905, 0.2179, 0.3043

Protanopia

53.5800, 0.2917, 0.2977

Deuteranopia

53.4460, 0.2776, 0.2709



Tritanopia

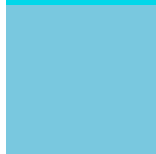
54.4841, 0.2179, 0.3043

Trichromacy



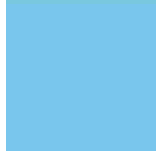
Original Color

54.4905, 0.2179, 0.3043



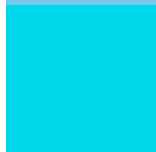
Protanomaly

50.7012, 0.2463, 0.2983



Deuteranomaly

50.5675, 0.2389, 0.2786



Tritanomaly

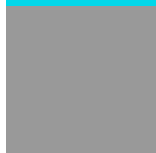
54.4841, 0.2179, 0.3043

Monochromacy



Original Color

54.4905, 0.2179, 0.3043



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

37.0247, 0.2503, 0.3194

CSS Examples

Text

The CSS property to change the color of the text to Yxy 54.4841, 0.2179, 0.3043 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(1, 215, 233)` looks like.

```
.text, #text, p{  
    color:rgb(1, 215, 233)  
}
```

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(1, 215, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 215, 233) }
```

Border

The CSS property to change the border of an element to Yxy 54.4841, 0.2179, 0.3043 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(1, 215, 233) }
```

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

```
.border{ border-color:rgb(1, 215, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 215, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 215, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 215, 233);  
box-shadow:4px 4px 4px 4px rgb(1, 215,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 54.4841, 0.2179, 0.3043 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 215, 233) }
```

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

```
.background{ background-color: rgb(1, 215,  
233) }
```

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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