

Converting Colors

$Y_{xy}(49.4672, 0.2177, 0.2965)$

Have a look what the booklet for
Yxy(49.4672, 0.2177, 0.2965)
contains.

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Color

Yxy(49.5253, 0.2177, 0.2967)

Conversions

Conversions Part 1

Format	Color
Hex	1DCDE4
RGB	29, 205, 228
RGB Percent	11%, 80%, 89%
CMY	0.8871, 0.1960, 0.1058
CMYK	0.87, 0.10, 0.00, 0.11
HSL	187°, 79%, 50%
HSV	187°, 87%, 89%
XYZ	36.3386, 49.5253, 81.0566
YIQ	154.9980, -112.2790, -30.1590

Conversions

Conversions Part 2

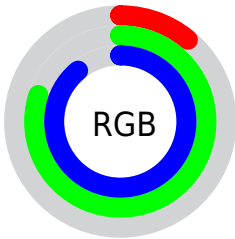
Format	Color
R _{YB}	29, 122, 228
Decimal	1953252
CIE Lab	75.78, -32.70, -23.03
CIE LCh	76, 39.990, 215.154
Yxy	49.5253, 0.2177, 0.2967
Android (android.graphics.Color)	4280143332 (0xFF1DCDE4)
YUV	154.9980, 35.9900, -110.5002
Hunter-Lab	70.3742, -30.9842, -19.0279

Details

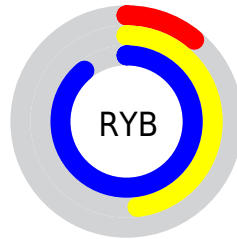
The Yxy color **49.5253, 0.2177, 0.2967** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **19.0225, 0.6023, 0.3426**, and the grayscale version is **32.6251, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **24.8298, 0.2130, 0.2866** is the 20% darker color. If you saturate the color by 10%, you get **48.0581, 0.2149, 0.2927**, and if you desaturate by 10%, it is **51.2588, 0.2222, 0.3007**.

Distribution



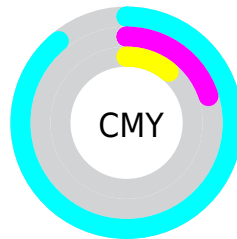
- Red (11%)
- Green (80%)
- Blue (89%)



- Red (11%)
- Yellow (48%)
- Blue (89%)



- Cyan (87%)
- Magenta (10%)
- Yellow (0%)
- Black (11%)





- Cyan (89%)
- Magenta (20%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 49.5253, 0.2177, 0.2967 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 49.5253, 0.2177, 0.2967 by changing the saturation by 10% instead.

 49.5253, 0.2177,
0.2967


 49.5253, 0.2177,
0.2967


384.8067, 0.2627,
0.3141

 35.0364, 0.2073,
0.2921


 89.4711, 0.2335,
0.3033

 23.6909, 0.1944,
0.2860


 115.6968, 0.2396,
0.3057

 15.1045, 0.1782,
0.2778


 146.6036, 0.2448,
0.3077

 8.8927, 0.1572,
0.2661

 182.5757, 0.2493,
0.3094

 4.6713, 0.1295,
0.2485

 223.9977, 0.2533,
0.3108

 2.0557, 0.0924,
0.2203

271.2540, 0.2568,

 0.6395, 0.0000,

0.3121

0.1745

324.7288, 0.2599,
0.3132

■ 0.0000, 0.0000,
0.0000

■ 49.5253, 0.2177,
0.2967

■ 49.5253, 0.2177,
0.2967

■ 48.0581, 0.2149,
0.2927

■ 51.2588, 0.2222,
0.3007

■ 47.6954, 0.2144,
0.2917

■ 53.3030, 0.2286,
0.3048

■ 55.6970, 0.2369,
0.3089

■ 58.4725, 0.2471,
0.3128

■ 61.6578, 0.2589,
0.3166

■ 65.2782, 0.2721,
0.3203

■ 69.3569, 0.2863,
0.3237

■ 73.9153, 0.3013,
0.3268

■ 78.9736, 0.3168,
0.3297

Harmonies

Analogous

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



49.5253, 0.2421, 0.3501



49.5253, 0.2177, 0.2967



49.5253, 0.2163, 0.2592

Triad

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



49.5253, 0.2177, 0.2967



49.5253, 0.3333, 0.2695



49.5253, 0.3884, 0.4200

Complementary

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



49.5253, 0.2177, 0.2967



19.0225, 0.6023, 0.3426

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.



49.5253, 0.4181, 0.3883



49.5253, 0.2177, 0.2967



49.5253, 0.3860, 0.3045

Square

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



49.5253, 0.2177, 0.2967



49.5253, 0.2788, 0.2476



49.5253, 0.4180, 0.3466



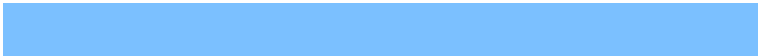
49.5253, 0.3396, 0.4278

Rectangle

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



49.5253, 0.2177, 0.2967



49.5253, 0.2280, 0.2462



49.5253, 0.4180, 0.3466



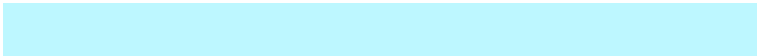
49.5253, 0.4011, 0.4113

Sweetspot

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



49.5271, 0.2177, 0.2967



84.7316, 0.2738, 0.3207



55.9752, 0.2971, 0.5775



17.7686, 0.2690, 0.3195



0.0000, 0.0000, 0.0000



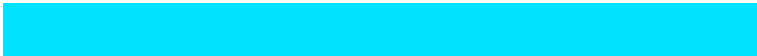
21.4041, 0.3127, 0.3290

Same Dimension

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



49.5271, 0.2177, 0.2967



61.3670, 0.2143, 0.2914



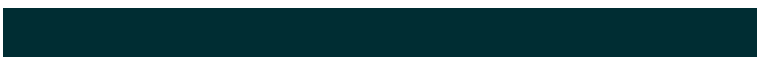
16.6866, 0.1776, 0.1487



16.0371, 0.2982, 0.3262



27.6484, 0.2145, 0.2923



2.1242, 0.2162, 0.2981

Inverse Universe

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



21.7735, 0.3479, 0.1743



26.7262, 0.3530, 0.1718



37.8667, 0.4931, 0.4356



14.5850, 0.3155, 0.3085



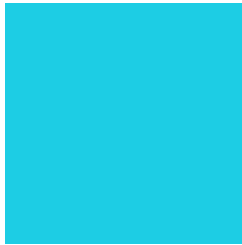
11.9888, 0.3523, 0.1714



0.8941, 0.3471, 0.1686

Previews

White Background



This preview shows how the Yxy color 49.5253, 0.2177, 0.2967 looks on a white background.

Color Contrast Check

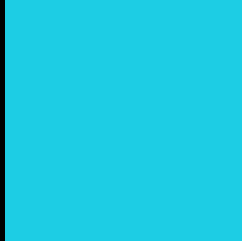
Large Text (above 18pt) WCAG AA × Fail

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 49.5253, 0.2177, 0.2967 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 49.5253, 0.2177, 0.2967

Background



This preview shows how black text looks on a background with the Yxy color 49.5253, 0.2177, 0.2967.



This preview shows how white text looks on a background with the Yxy color 49.5253, 0.2177, 0.2967.

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

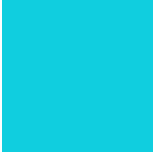
49.5253, 0.2177, 0.2967

Protanopia

48.8393, 0.2873, 0.2917

Deuteranopia

48.8041, 0.2729, 0.2674



Tritanopia

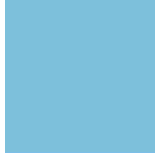
49.5805, 0.2188, 0.3048

Trichromacy



Original Color

49.5253, 0.2177, 0.2967



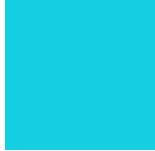
Protanomaly

47.1737, 0.2486, 0.2925



Deuteranomaly

46.8815, 0.2413, 0.2749



Tritanomaly

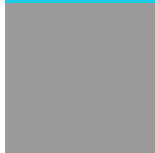
49.7383, 0.2185, 0.3021

Monochromacy



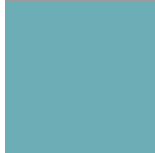
Original Color

49.5253, 0.2177, 0.2967



Achromatopsia

32.7778, 0.3127, 0.3290



Achromatomaly

36.5157, 0.2561, 0.3149

CSS Examples

Text

The CSS property to change the color of the text to Yxy 49.5253, 0.2177, 0.2967 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(29, 205, 228)` looks like.

```
.text, #text, p{  
    color:rgb(29, 205, 228)  
}
```

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(29, 205, 228) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(29, 205, 228) }
```

Border

The CSS property to change the border of an element to Yxy 49.5253, 0.2177, 0.2967 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(29, 205, 228) }
```

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

```
.border{ border-color:rgb(29, 205, 228) }
```

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

Here you see how a box with a 4 pixel `rgb(29, 205, 228)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(29, 205, 228); -webkit-box-  
shadow:4px 4px 4px 4px rgb(29, 205, 228);  
box-shadow:4px 4px 4px 4px rgb(29, 205,  
228) }
```


Background

The CSS property to change the background color of an element to Yxy 49.5253, 0.2177, 0.2967 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(29, 205, 228) }
```

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

```
.background{ background-color: rgb(29, 205,  
228) }
```

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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