

Converting Colors

$Y_{xy}(53.6195, 0.2155, 0.2959)$

Have a look what the booklet for
Yxy(53.6195, 0.2155, 0.2959)
contains.

Yxy(53.7029, 0.2157, 0.2964)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(53.7029, 0.2157, 0.2964)

Conversions

Conversions Part 1

Format	Color
Hex	01D5ED
RGB	1, 213, 237
RGB Percent	0%, 84%, 93%
CMY	0.9976, 0.1647, 0.0707
CMYK	1.00, 0.10, 0.00, 0.07
HSL	186°, 99%, 47%
HSV	186°, 100%, 93%
XYZ	39.0814, 53.7029, 88.3996
YIQ	152.3480, -134.0560, -37.4800

Conversions

Conversions Part 2

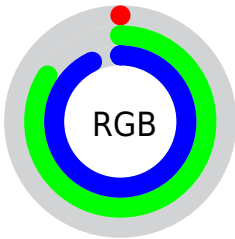
Format	Color
RYB	1, 113, 237
Decimal	120301
CIELab	78.29, -34.61, -24.01
CIELCh	78, 42.125, 214.752
Yxy	53.7029, 0.2157, 0.2964
Android (android.graphics.Color)	4278310381 (0xFF01D5ED)
YUV	152.3480, 41.7334, -132.7322
Hunter-Lab	73.2823, -33.0501, -20.2233

Details

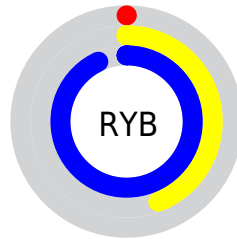
The Yxy color **53.7029, 0.2157, 0.2964** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light washed cyan. A complement of this color would be **18.6779, 0.6330, 0.3353**, and the grayscale version is **31.3640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **27.7899, 0.2135, 0.2884** is the 20% darker color. If you saturate the color by 10%, you get **53.6690, 0.2157, 0.2963**, and if you desaturate by 10%, it is **55.1168, 0.2180, 0.2999**.

Distribution



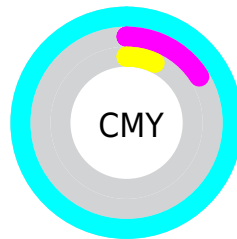
- Red (0%)
- Green (84%)
- Blue (93%)



- Red (0%)
- Yellow (44%)
- Blue (93%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (16%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.7029, 0.2157, 0.2964 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 53.7029, 0.2157, 0.2964 by changing the saturation by 10% instead.


 53.7029, 0.2157,
0.2964


 53.7029, 0.2157,
0.2964


400.9761, 0.2610,
0.3138


 38.3642, 0.2054,
0.2918


 95.6379, 0.2314,
0.3029

 26.2655, 0.1928,
0.2859

 123.0029, 0.2375,
0.3053


 17.0223, 0.1770,
0.2779


 155.1456, 0.2428,
0.3073

 10.2504, 0.1569,
0.2668

 192.4502, 0.2474,
0.3090

 5.5653, 0.1306,
0.2503

 235.3011, 0.2514,
0.3105

 2.5826, 0.0958,
0.2245

284.0828, 0.2550,

 0.9179, 0.0056,

0.3118

0.1897

339.1797, 0.2581,
0.3129

■ 0.0000, 0.0000,
0.0000

■ 53.7029, 0.2157,
0.2964

■ 53.7029, 0.2157,
0.2964

■ 53.6690, 0.2157,
0.2963

■ 55.1168, 0.2180,
0.2999

■ 56.7833, 0.2218,
0.3034

■ 58.7751, 0.2276,
0.3069

■ 61.1353, 0.2353,
0.3105

■ 63.9002, 0.2448,
0.3140

■ 67.1013, 0.2561,
0.3173

■ 70.7672, 0.2689,
0.3206

■ 74.9239, 0.2829,
0.3236

■ 79.5953, 0.2977,
0.3265

Harmonies

Analogous

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



53.7029, 0.2408, 0.3514



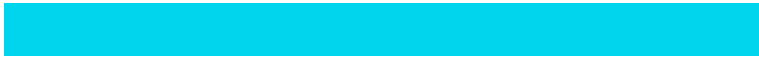
53.7029, 0.2157, 0.2964



53.7029, 0.2140, 0.2579

Triad

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



53.7029, 0.2157, 0.2964



53.7029, 0.3330, 0.2677



53.7029, 0.3907, 0.4218

Complementary

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



53.7029, 0.2157, 0.2964



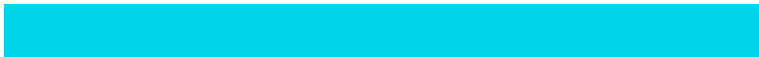
18.6779, 0.6330, 0.3353

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.



53.7029, 0.4209, 0.3890



53.7029, 0.2157, 0.2964



53.7029, 0.3872, 0.3033

Square

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



53.7029, 0.2157, 0.2964



53.7029, 0.2773, 0.2456



53.7029, 0.4205, 0.3462



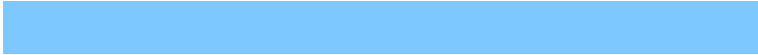
53.7029, 0.3409, 0.4305

Rectangle

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



53.7029, 0.2157, 0.2964



53.7029, 0.2258, 0.2444



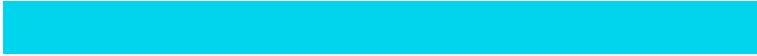
53.7029, 0.4205, 0.3462



53.7029, 0.4036, 0.4128

Sweetspot

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



53.7048, 0.2157, 0.2964



83.4142, 0.2684, 0.3205



60.6198, 0.2984, 0.5941



17.4490, 0.2628, 0.3191



0.0000, 0.0000, 0.0000



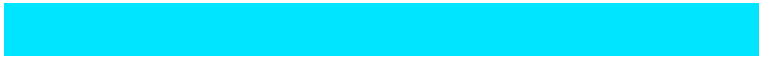
21.4041, 0.3127, 0.3290

Same Dimension

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



53.7048, 0.2157, 0.2964



63.3371, 0.2156, 0.2962



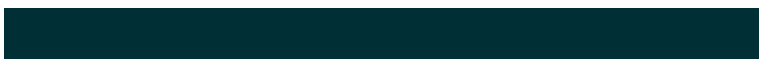
14.3298, 0.1678, 0.1240



16.8456, 0.2981, 0.3265



29.4229, 0.2158, 0.2969



2.3858, 0.2171, 0.3017

Inverse Universe

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



22.8163, 0.3486, 0.1695



26.9251, 0.3488, 0.1695



37.4739, 0.5131, 0.4306



15.2859, 0.3153, 0.3081



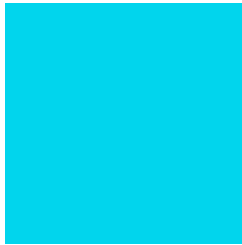
12.4631, 0.3482, 0.1692



0.9863, 0.3439, 0.1668

Previews

White Background



This preview shows how the Yxy color 53.7029, 0.2157, 0.2964 looks on a white background.

Color Contrast Check

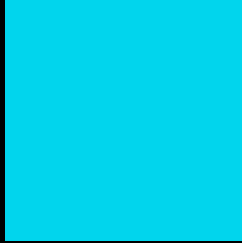
Large Text (above 18pt) WCAG AA × Fail

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 53.7029, 0.2157, 0.2964 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

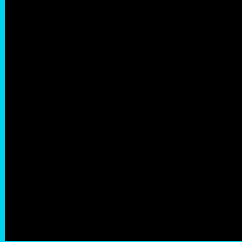
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.7029, 0.2157, 0.2964

Background



This preview shows how black text looks on a background with the Yxy color 53.7029, 0.2157, 0.2964.



This preview shows how white text looks on a background with the Yxy color 53.7029, 0.2157, 0.2964.

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

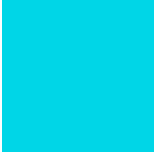
53.7094, 0.2157, 0.2964

Protanopia

53.1003, 0.2874, 0.2917

Deuteranopia

52.6915, 0.2728, 0.2661



Tritanopia

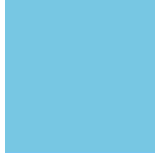
53.8627, 0.2182, 0.3055

Trichromacy



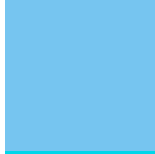
Original Color

53.7094, 0.2157, 0.2964



Protanomaly

50.3148, 0.2430, 0.2919



Deuteranomaly

50.0753, 0.2358, 0.2735



Tritanomaly

53.9763, 0.2175, 0.3029

Monochromacy



Original Color

53.7094, 0.2157, 0.2964



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

36.2324, 0.2485, 0.3147

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.7029, 0.2157, 0.2964 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, 213, 237)` looks like.

```
.text, #text, p{  
    color:rgb(1, 213, 237)  
}
```

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, 213, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 213, 237) }
```

Border

The CSS property to change the border of an element to Yxy 53.7029, 0.2157, 0.2964 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, 213, 237) }
```

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

```
.border{ border-color:rgb(1, 213, 237) }
```

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

Here you see how a box with a 4 pixel rgb(1, 213, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 213, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 213, 237);  
box-shadow:4px 4px 4px 4px rgb(1, 213,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 53.7029, 0.2157, 0.2964 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 213, 237) }
```

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

```
.background{ background-color: rgb(1, 213,  
237) }
```

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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