

Converting Colors

$Yxy(55.9633, 0.2138, 0.2883)$

Have a look what the booklet for
Yxy(55.9633, 0.2138, 0.2883)
contains.

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Color

Yxy(55.8852, 0.2138, 0.2882)

Conversions

Conversions Part 1

Format	Color
Hex	0AD8F7
RGB	10, 216, 247
RGB Percent	4%, 85%, 97%
CMY	0.9620, 0.1529, 0.0315
CMYK	0.96, 0.13, 0.00, 0.03
HSL	188°, 94%, 50%
HSV	188°, 96%, 97%
XYZ	41.4582, 55.8852, 96.5678
YIQ	157.9400, -132.7270, -34.0310

Conversions

Conversions Part 2

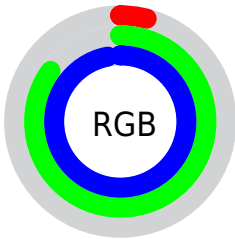
Format	Color
R _Y B	10, 120, 247
Decimal	710903
CIE Lab	79.55, -32.65, -27.42
CIE LCh	80, 42.637, 220.018
Yxy	55.8852, 0.2138, 0.2882
Android (android.graphics.Color)	4278900983 (0xFF0AD8F7)
YUV	157.9400, 43.9066, -129.7434
Hunter-Lab	74.7564, -31.8317, -24.2593

Details

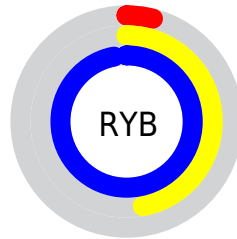
The Yxy color **55.8852, 0.2138, 0.2882** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **21.3509, 0.6232, 0.3396**, and the grayscale version is **33.9592, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.4530, 0.2433, 0.3288**, and **29.2513, 0.2106, 0.2781** is the 20% darker color. If you saturate the color by 10%, you get **55.1793, 0.2129, 0.2864**, and if you desaturate by 10%, it is **57.8390, 0.2169, 0.2928**.

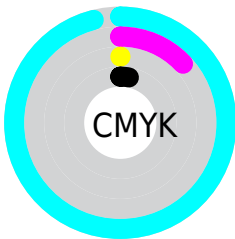
Distribution



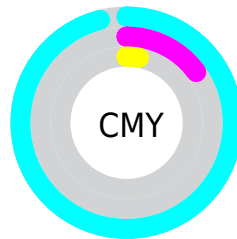
- Red (4%)
- Green (85%)
- Blue (97%)



- Red (4%)
- Yellow (47%)
- Blue (97%)



- Cyan (96%)
- Magenta (13%)
- Yellow (0%)
- Black (3%)





- Cyan (96%)
- Magenta (15%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 55.8852, 0.2138, 0.2882 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 55.8852, 0.2138, 0.2882 by changing the saturation by 10% instead.


 55.8852, 0.2138,
0.2882

 55.8852, 0.2138,
0.2882


409.2587, 0.2595,
0.3094

 40.1109, 0.2036,
0.2828


 98.8367, 0.2295,
0.2960

 27.6250, 0.1910,
0.2760


 126.7827, 0.2357,
0.2989


 18.0432, 0.1755,
0.2669


 159.5547, 0.2410,
0.3013

 10.9810, 0.1558,
0.2545

 197.5371, 0.2457,
0.3034

 6.0541, 0.1304,
0.2367

 241.1143, 0.2497,
0.3052

 2.8780, 0.0972,
0.2099

290.6707, 0.2534,

 1.0684, 0.0332,

0.3068

0.1711

346.5907, 0.2566,
0.3082

■ 0.0000, 0.0000,
0.0000

■ 55.8852, 0.2138,
0.2882

■ 55.8852, 0.2138,
0.2882

■ 55.1793, 0.2129,
0.2864

■ 57.8390, 0.2169,
0.2928

■ 60.1249, 0.2218,
0.2974

■ 62.8002, 0.2286,
0.3021

■ 65.9096, 0.2374,
0.3067

■ 69.4911, 0.2479,
0.3112

■ 73.5787, 0.2601,
0.3155

■ 78.2027, 0.2736,
0.3196

■ 83.3912, 0.2881,
0.3235

■ 89.1700, 0.3033,
0.3270

Harmonies

Analogous

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



55.8852, 0.2349, 0.3412



55.8852, 0.2138, 0.2882



55.8852, 0.2162, 0.2535

Triad

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



55.8852, 0.2138, 0.2882



55.8852, 0.3431, 0.2732



55.8852, 0.3829, 0.4254

Complementary

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



55.8852, 0.2138, 0.2882



21.3509, 0.6232, 0.3396

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.



55.8852, 0.4175, 0.3958



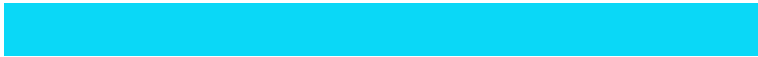
55.8852, 0.2138, 0.2882



55.8852, 0.3950, 0.3106

Square

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



55.8852, 0.2138, 0.2882



55.8852, 0.2864, 0.2484



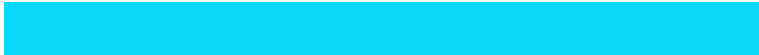
55.8852, 0.4229, 0.3539



55.8852, 0.3312, 0.4284

Rectangle

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



55.8852, 0.2138, 0.2882



55.8852, 0.2306, 0.2426



55.8852, 0.4229, 0.3539



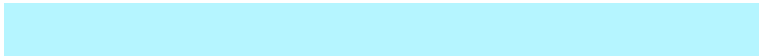
55.8852, 0.3970, 0.4178

Sweetspot

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



55.8872, 0.2138, 0.2882



82.5662, 0.2695, 0.3184



66.6983, 0.2976, 0.5888



17.2184, 0.2637, 0.3167



0.0000, 0.0000, 0.0000



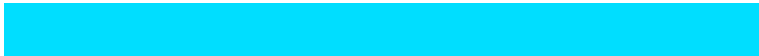
21.4041, 0.3127, 0.3290

Same Dimension

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



55.8872, 0.2138, 0.2882



59.3150, 0.2129, 0.2863



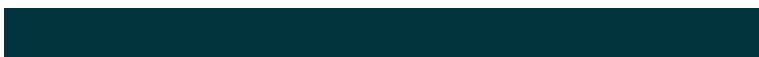
16.0141, 0.1689, 0.1256



18.3672, 0.2981, 0.3258



29.3419, 0.2131, 0.2872



2.6795, 0.2147, 0.2929

Inverse Universe

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



24.9359, 0.3559, 0.1745



26.5190, 0.3576, 0.1744



43.5687, 0.5034, 0.4361



16.7289, 0.3158, 0.3087



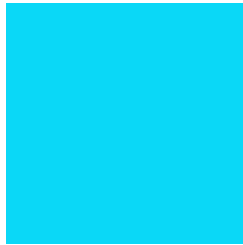
13.0615, 0.3569, 0.1740



1.1581, 0.3517, 0.1711

Previews

White Background



This preview shows how the Yxy color 55.8852, 0.2138, 0.2882 looks on a white background.

Color Contrast Check

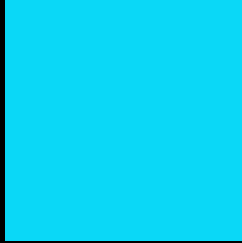
Large Text (above 18pt) WCAG AA × Fail

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 55.8852, 0.2138, 0.2882 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

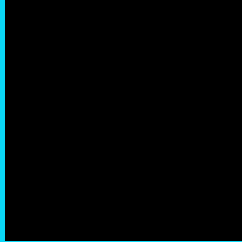
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 55.8852, 0.2138, 0.2882

Background



This preview shows how black text looks on a background with the Yxy color 55.8852, 0.2138, 0.2882.



This preview shows how white text looks on a background with the Yxy color 55.8852, 0.2138, 0.2882.

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

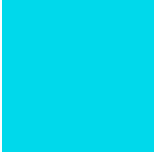
55.8917, 0.2138, 0.2882

Protanopia

55.1011, 0.2817, 0.2843

Deuteranopia

54.9179, 0.2665, 0.2605



Tritanopia

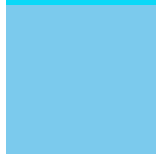
55.6239, 0.2179, 0.3045

Trichromacy



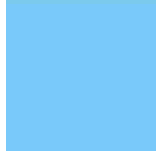
Original Color

55.8917, 0.2138, 0.2882



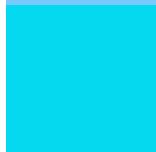
Protanomaly

52.5664, 0.2409, 0.2841



Deuteranomaly

52.7404, 0.2337, 0.2678



Tritanomaly

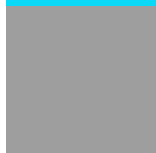
55.8835, 0.2167, 0.2994

Monochromacy



Original Color

55.8917, 0.2138, 0.2882



Achromatopsia

34.1914, 0.3127, 0.3290



Achromatomaly

38.9010, 0.2498, 0.3122

CSS Examples

Text

The CSS property to change the color of the text to Yxy 55.8852, 0.2138, 0.2882 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(10, 216, 247)` looks like.

```
.text, #text, p{  
    color:rgb(10, 216, 247)  
}
```

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(10, 216, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 216, 247) }
```

Border

The CSS property to change the border of an element to Yxy 55.8852, 0.2138, 0.2882 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(10, 216, 247) }
```

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

```
.border{ border-color:rgb(10, 216, 247) }
```

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

Here you see how a box with a 4 pixel rgb(10, 216, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 216, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 216, 247);  
box-shadow:4px 4px 4px 4px rgb(10, 216,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 55.8852, 0.2138, 0.2882 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 216, 247) }
```

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

```
.background{ background-color: rgb(10, 216,  
247) }
```

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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