

Converting Colors

$Y_{xy}(53.7441, 0.2130, 0.2851)$

Have a look what the booklet for
Yxy(53.7441, 0.2130, 0.2851)
contains.

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Color

Yxy(53.7507, 0.2130, 0.2851)

Conversions

Conversions Part 1

Format	Color
Hex	0BD4F5
RGB	11, 212, 245
RGB Percent	4%, 83%, 96%
CMY	0.9576, 0.1686, 0.0393
CMYK	0.96, 0.13, 0.00, 0.04
HSL	188°, 92%, 50%
HSV	188°, 96%, 96%
XYZ	40.1575, 53.7507, 94.6246
YIQ	155.6630, -130.3890, -32.3490

Conversions

Conversions Part 2

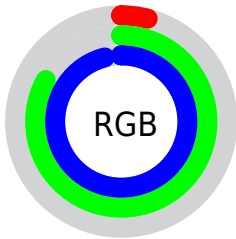
Format	Color
RYB	11, 119, 245
Decimal	775413
CIELab	78.32, -31.35, -28.24
CIELCh	78, 42.196, 222.017
Yxy	53.7507, 0.2130, 0.2851
Android (android.graphics.Color)	4278965493 (0xFF0BD4F5)
YUV	155.6630, 44.0431, -126.8695
Hunter-Lab	73.3149, -30.5294, -25.2029

Details

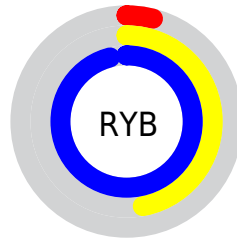
The Yxy color **53.7507, 0.2130, 0.2851** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **21.2176, 0.6207, 0.3412**, and the grayscale version is **32.9079, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **27.7881, 0.2095, 0.2740** is the 20% darker color. If you saturate the color by 10%, you get **52.9245, 0.2119, 0.2829**, and if you desaturate by 10%, it is **55.7886, 0.2163, 0.2901**.

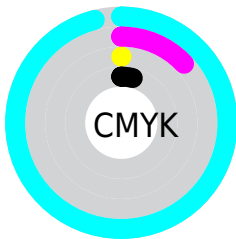
Distribution



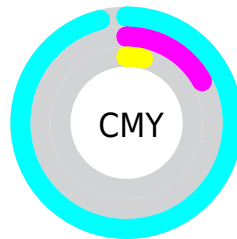
- Red (4%)
- Green (83%)
- Blue (96%)



- Red (4%)
- Yellow (47%)
- Blue (96%)



- Cyan (96%)
- Magenta (13%)
- Yellow (0%)
- Black (4%)




- Cyan (96%)
- Magenta (17%)
- Yellow (4%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.7507, 0.2130, 0.2851 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 53.7507, 0.2130, 0.2851 by changing the saturation by 10% instead.


 53.7507, 0.2130,
0.2851


 53.7507, 0.2130,
0.2851


401.1586, 0.2593,
0.3079

 38.4024, 0.2026,
0.2793

 95.7081, 0.2290,
0.2935

 26.2951, 0.1898,
0.2720


 123.0860, 0.2353,
0.2966

 17.0446, 0.1739,
0.2622


 155.2425, 0.2407,
0.2992

 10.2663, 0.1537,
0.2488

 192.5621, 0.2454,
0.3015

 5.5759, 0.1275,
0.2297

 235.4291, 0.2495,
0.3034

 2.5889, 0.0935,
0.2010

284.2279, 0.2531,

 0.9211, 0.0191,

0.3051

0.1607

339.3430, 0.2564,
0.3066

■ 0.0000, 0.0000,
0.0000

■ 53.7507, 0.2130,
0.2851

■ 53.7507, 0.2130,
0.2851

■ 52.9245, 0.2119,
0.2829

■ 55.7886, 0.2163,
0.2901

■ 58.1608, 0.2214,
0.2951

■ 60.9225, 0.2285,
0.3001

■ 64.1174, 0.2375,
0.3051

■ 67.7825, 0.2483,
0.3100

■ 71.9508, 0.2606,
0.3147

■ 76.6522, 0.2742,
0.3191

■ 81.9140, 0.2888,
0.3232

■ 87.7616, 0.3040,
0.3270

Harmonies

Analogous

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



53.7507, 0.2326, 0.3373



53.7507, 0.2130, 0.2851



53.7507, 0.2170, 0.2517

Triad

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



53.7507, 0.2130, 0.2851



53.7507, 0.3470, 0.2753



53.7507, 0.3800, 0.4269

Complementary

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



53.7507, 0.2130, 0.2851



21.2176, 0.6207, 0.3412

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.



53.7507, 0.4163, 0.3984



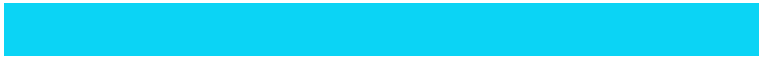
53.7507, 0.2130, 0.2851



53.7507, 0.3980, 0.3133

Square

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



53.7507, 0.2130, 0.2851



53.7507, 0.2899, 0.2494



53.7507, 0.4239, 0.3569



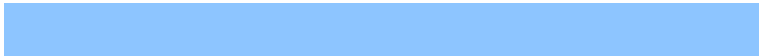
53.7507, 0.3275, 0.4276

Rectangle

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



53.7507, 0.2130, 0.2851



53.7507, 0.2324, 0.2418



53.7507, 0.4239, 0.3569



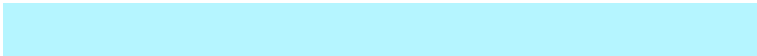
53.7507, 0.3946, 0.4197

Sweetspot

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



53.7526, 0.2130, 0.2851



82.1059, 0.2694, 0.3176



65.5279, 0.2969, 0.5860



17.1063, 0.2636, 0.3157



0.0000, 0.0000, 0.0000



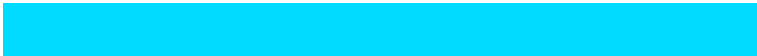
21.4041, 0.3127, 0.3290

Same Dimension

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



53.7526, 0.2130, 0.2851



57.9342, 0.2119, 0.2828



15.1511, 0.1679, 0.1220



18.3366, 0.2981, 0.3256



28.6729, 0.2122, 0.2837



2.6271, 0.2139, 0.2900

Inverse Universe

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



24.3974, 0.3587, 0.1762



26.3796, 0.3609, 0.1762



44.2693, 0.4982, 0.4400



16.7258, 0.3160, 0.3089



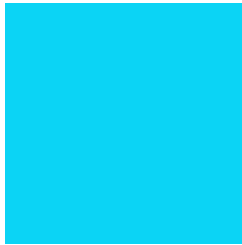
12.9939, 0.3600, 0.1757



1.1528, 0.3544, 0.1726

Previews

White Background



This preview shows how the Yxy color 53.7507, 0.2130, 0.2851 looks on a white background.

Color Contrast Check

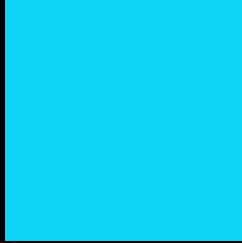
Large Text (above 18pt) WCAG AA × Fail

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 53.7507, 0.2130, 0.2851 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

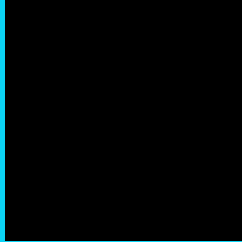
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.7507, 0.2130, 0.2851

Background



This preview shows how black text looks on a background with the Yxy color 53.7507, 0.2130, 0.2851.



This preview shows how white text looks on a background with the Yxy color 53.7507, 0.2130, 0.2851.

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

53.7507, 0.2130, 0.2851

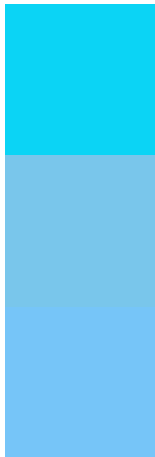
Protanopia

52.7304, 0.2799, 0.2813

Deuteranopia

53.0006, 0.2646, 0.2584

Trichromacy



Original Color

53.7507, 0.2130, 0.2851

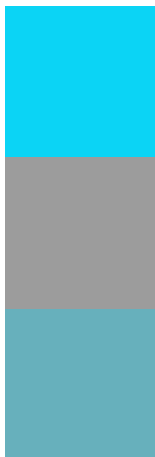
Protanomaly

50.4513, 0.2398, 0.2809

Deuteranomaly

50.5614, 0.2322, 0.2645

Monochromacy



Original Color

53.7507, 0.2130, 0.2851

Achromatopsia

33.2452, 0.3127, 0.3290

Achromatomaly

37.5651, 0.2496, 0.3105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.7507, 0.2130, 0.2851 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(11, 212, 245)` looks like.

```
.text, #text, p{  
    color:rgb(11, 212, 245)  
}
```

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(11, 212, 245) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(11, 212, 245) }
```

Border

The CSS property to change the border of an element to Yxy 53.7507, 0.2130, 0.2851 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(11, 212, 245) }
```

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

```
.border{ border-color:rgb(11, 212, 245) }
```

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

Here you see how a box with a 4 pixel rgb(11, 212, 245) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(11, 212, 245); -webkit-box-  
shadow:4px 4px 4px 4px rgb(11, 212, 245);  
box-shadow:4px 4px 4px 4px rgb(11, 212,  
245) }
```

Background

The CSS property to change the background color of an element to Yxy 53.7507, 0.2130, 0.2851 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(11, 212, 245) }
```

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

```
.background{ background-color: rgb(11, 212,  
245) }
```

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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