

Converting Colors

$Y_{xy}(53.2120, 0.2116, 0.2811)$

Have a look what the booklet for
Yxy(53.2120, 0.2116, 0.2811)
contains.

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Color

Yxy(53.3297, 0.2116, 0.2812)

Conversions

Conversions Part 1

Format	Color
Hex	04D3F7
RGB	4, 211, 247
RGB Percent	2%, 83%, 97%
CMY	0.9863, 0.1725, 0.0313
CMYK	0.99, 0.15, 0.00, 0.03
HSL	189°, 97%, 49%
HSV	189°, 99%, 97%
XYZ	40.1300, 53.3297, 96.1907
YIQ	153.2110, -134.9280, -32.6880

Conversions

Conversions Part 2

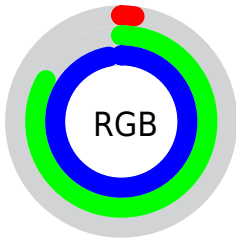
Format	Color
RYB	4, 116, 247
Decimal	316407
CIELab	78.07, -30.37, -29.72
CIELCh	78, 42.491, 224.377
Yxy	53.3297, 0.2116, 0.2812
Android (android.graphics.Color)	4278506487 (0xFF04D3F7)
YUV	153.2110, 46.2380, -130.8580
Hunter-Lab	73.0272, -29.7079, -26.9772

Details

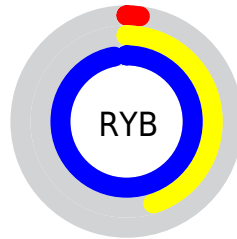
The Yxy color **53.3297, 0.2116, 0.2812** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **21.2709, 0.6256, 0.3401**, and the grayscale version is **31.7254, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **27.5385, 0.2081, 0.2692** is the 20% darker color. If you saturate the color by 10%, you get **53.0521, 0.2112, 0.2805**, and if you desaturate by 10%, it is **55.3947, 0.2145, 0.2864**.

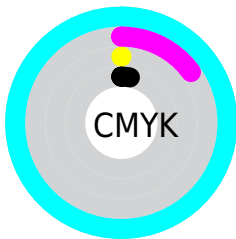
Distribution



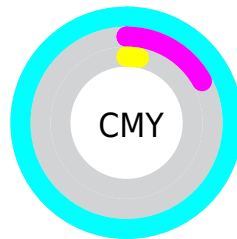
- Red (2%)
- Green (83%)
- Blue (97%)



- Red (2%)
- Yellow (45%)
- Blue (97%)



- Cyan (99%)
- Magenta (15%)
- Yellow (0%)
- Black (3%)





- Cyan (99%)
- Magenta (17%)
- Yellow (3%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.3297, 0.2116, 0.2812 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 53.3297, 0.2116, 0.2812 by changing the saturation by 10% instead.


 53.3297, 0.2116,
0.2812

 53.3297, 0.2116,
0.2812


399.5488, 0.2586,
0.3058


 38.0660, 0.2010,
0.2750

 95.0893, 0.2278,
0.2902


 26.0339, 0.1881,
0.2671


 122.3541, 0.2342,
0.2936


 16.8490, 0.1720,
0.2567


 154.3880, 0.2396,
0.2964

 10.1269, 0.1517,
0.2426

 191.5755, 0.2444,
0.2989

 5.4832, 0.1254,
0.2225

 234.3009, 0.2486,
0.3010

 2.5335, 0.0913,
0.1926

282.9487, 0.2523,

 0.8933, 0.0182,

0.3028

0.1510

337.9032, 0.2556,
0.3044

■ 0.0000, 0.0000,
0.0000

■ 53.3297, 0.2116,
0.2812

■ 53.3297, 0.2116,
0.2812

■ 53.0521, 0.2112,
0.2805

■ 55.3947, 0.2145,
0.2864

■ 57.7768, 0.2192,
0.2917

■ 60.5450, 0.2257,
0.2970

■ 63.7461, 0.2343,
0.3023

■ 67.4198, 0.2446,
0.3075

■ 71.6009, 0.2566,
0.3125

■ 76.3208, 0.2700,
0.3172

■ 81.6082, 0.2843,
0.3217

■ 87.4895, 0.2994,
0.3258

Harmonies

Analogous

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



53.3297, 0.2294, 0.3328



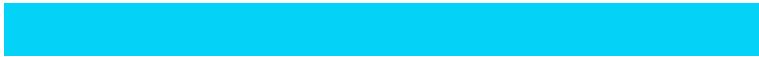
53.3297, 0.2116, 0.2812



53.3297, 0.2175, 0.2493

Triad

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



53.3297, 0.2116, 0.2812



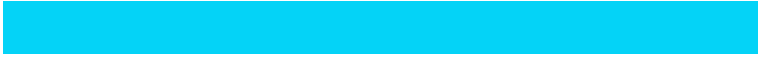
53.3297, 0.3519, 0.2775



53.3297, 0.3768, 0.4291

Complementary

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



53.3297, 0.2116, 0.2812



21.2709, 0.6256, 0.3401

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.



53.3297, 0.4152, 0.4019



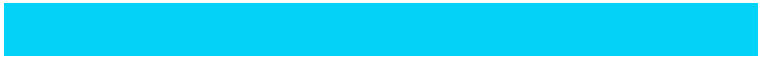
53.3297, 0.2116, 0.2812



53.3297, 0.4020, 0.3164

Square

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



53.3297, 0.2116, 0.2812



53.3297, 0.2940, 0.2502



53.3297, 0.4256, 0.3605



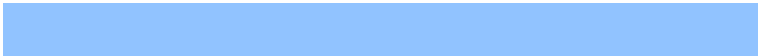
53.3297, 0.3231, 0.4272

Rectangle

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



53.3297, 0.2116, 0.2812



53.3297, 0.2341, 0.2405



53.3297, 0.4256, 0.3605



53.3297, 0.3920, 0.4225

Sweetspot

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



53.3316, 0.2116, 0.2812



81.2571, 0.2679, 0.3165



66.6845, 0.2974, 0.5897



16.9261, 0.2622, 0.3146



0.0000, 0.0000, 0.0000



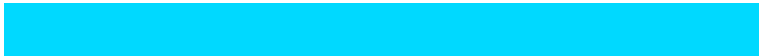
21.4041, 0.3127, 0.3290

Same Dimension

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



53.3316, 0.2116, 0.2812



56.9944, 0.2112, 0.2804



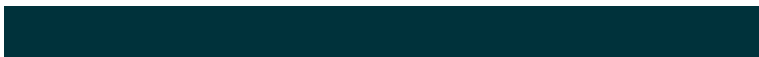
14.5316, 0.1659, 0.1163



18.3156, 0.2980, 0.3254



28.2175, 0.2115, 0.2813



2.5913, 0.2133, 0.2879

Inverse Universe

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



24.5576, 0.3623, 0.1774



26.2848, 0.3631, 0.1774



44.1478, 0.5023, 0.4385



16.7237, 0.3161, 0.3091



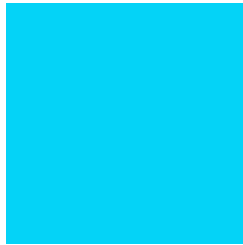
12.9479, 0.3622, 0.1769



1.1492, 0.3562, 0.1736

Previews

White Background



This preview shows how the Yxy color 53.3297, 0.2116, 0.2812 looks on a white background.

Color Contrast Check

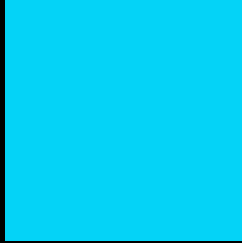
Large Text (above 18pt) WCAG AA × Fail

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 53.3297, 0.2116, 0.2812 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

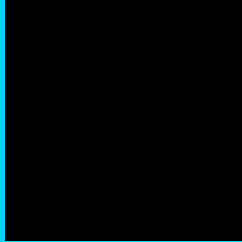
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.3297, 0.2116, 0.2812

Background



This preview shows how black text looks on a background with the Yxy color 53.3297, 0.2116, 0.2812.



This preview shows how white text looks on a background with the Yxy color 53.3297, 0.2116, 0.2812.

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

53.3297, 0.2116, 0.2812

Protanopia

52.5982, 0.2771, 0.2789

Deuteranopia

52.3418, 0.2614, 0.2548



Tritanopia

53.3017, 0.2182, 0.3054

Trichromacy



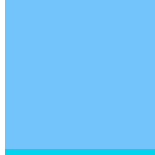
Original Color

53.3297, 0.2116, 0.2812



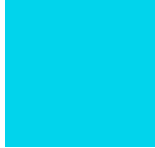
Protanomaly

50.2845, 0.2370, 0.2783



Deuteranomaly

49.9594, 0.2292, 0.2607



Tritanomaly

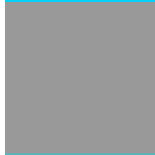
53.1495, 0.2157, 0.2962

Monochromacy



Original Color

53.3297, 0.2116, 0.2812



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

36.5126, 0.2473, 0.3087

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.3297, 0.2116, 0.2812 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(4, 211, 247)` looks like.

```
.text, #text, p{  
    color:rgb(4, 211, 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(4, 211, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 211, 247) }
```

Border

The CSS property to change the border of an element to Yxy 53.3297, 0.2116, 0.2812 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(4, 211, 247) }
```

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

```
.border{ border-color:rgb(4, 211, 247) }
```

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

Here you see how a box with a 4 pixel rgb(4, 211, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 211, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 211, 247);  
box-shadow:4px 4px 4px 4px rgb(4, 211,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 53.3297, 0.2116, 0.2812 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 211, 247) }
```

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

```
.background{ background-color: rgb(4, 211,  
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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