

Converting Colors

$Y_{xy}(53.6270, 0.2114, 0.2799)$

Have a look what the booklet for
Yxy(53.6270, 0.2114, 0.2799)
contains.

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Color

Yxy(53.4733, 0.2111, 0.2788)

Conversions

Conversions Part 1

Format	Color
Hex	07D3F9
RGB	7, 211, 249
RGB Percent	3%, 83%, 98%
CMY	0.9707, 0.1726, 0.0234
CMYK	0.97, 0.15, 0.00, 0.02
HSL	189°, 95%, 50%
HSV	189°, 97%, 98%
XYZ	40.4886, 53.4733, 97.8362
YIQ	154.3360, -133.7820, -31.4300

Conversions

Conversions Part 2

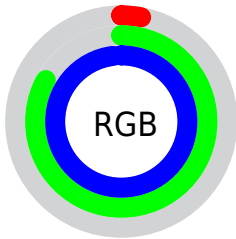
Format	Color
RYB	7, 118, 249
Decimal	513017
CIELab	78.15, -29.62, -30.66
CIELCh	78, 42.631, 225.988
Yxy	53.4733, 0.2111, 0.2788
Android (android.graphics.Color)	4278703097 (0xFF07D3F9)
YUV	154.3360, 46.6694, -129.2137
Hunter-Lab	73.1254, -29.1365, -28.1376

Details

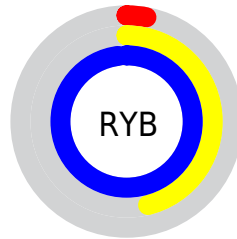
The Yxy color **53.4733, 0.2111, 0.2788** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **22.0788, 0.6212, 0.3422**, and the grayscale version is **32.3712, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **27.5827, 0.2077, 0.2677** is the 20% darker color. If you saturate the color by 10%, you get **52.8439, 0.2103, 0.2771**, and if you desaturate by 10%, it is **55.7126, 0.2144, 0.2844**.

Distribution



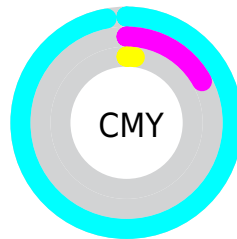
- Red (3%)
- Green (83%)
- Blue (98%)



- Red (3%)
- Yellow (46%)
- Blue (98%)



- Cyan (97%)
- Magenta (15%)
- Yellow (0%)
- Black (2%)




- Cyan (97%)
- Magenta (17%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.4733, 0.2111, 0.2788 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 53.4733, 0.2111, 0.2788 by changing the saturation by 10% instead.


 53.4733, 0.2111,
0.2788


 53.4733, 0.2111,
0.2788


400.0983, 0.2582,
0.3045


 38.1807, 0.2005,
0.2724

 95.3005, 0.2274,
0.2882

 26.1230, 0.1876,
0.2642

 122.6038, 0.2337,
0.2917


 16.9157, 0.1715,
0.2535


 154.6796, 0.2392,
0.2947

 10.1744, 0.1512,
0.2390

 191.9122, 0.2440,
0.2972

 5.5147, 0.1250,
0.2185

 234.6860, 0.2482,
0.2994

 2.5523, 0.0912,
0.1882

283.3853, 0.2519,

 0.9028, 0.0218,

0.3013

0.1460

338.3947, 0.2553,
0.3030

■ 0.0000, 0.0000,
0.0000

■ 53.4733, 0.2111,
0.2788

■ 53.4733, 0.2111,
0.2788

■ 52.8439, 0.2103,
0.2771

■ 55.7126, 0.2144,
0.2844

■ 58.2979, 0.2194,
0.2901

■ 61.2905, 0.2264,
0.2958

■ 64.7367, 0.2354,
0.3014

■ 68.6762, 0.2462,
0.3069

■ 73.1440, 0.2585,
0.3122

■ 78.1715, 0.2721,
0.3172

■ 83.7878, 0.2867,
0.3219

■ 90.0196, 0.3019,
0.3262

Harmonies

Analogous

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



53.4733, 0.2277, 0.3297



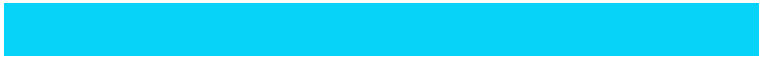
53.4733, 0.2111, 0.2788



53.4733, 0.2183, 0.2481

Triad

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



53.4733, 0.2111, 0.2788



53.4733, 0.3551, 0.2792



53.4733, 0.3743, 0.4301

Complementary

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



53.4733, 0.2111, 0.2788



22.0788, 0.6212, 0.3422

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.



53.4733, 0.4140, 0.4040



53.4733, 0.2111, 0.2788



53.4733, 0.4043, 0.3187

Square

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



53.4733, 0.2111, 0.2788



53.4733, 0.2969, 0.2511



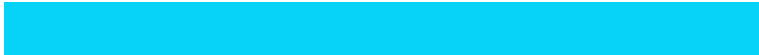
53.4733, 0.4262, 0.3629



53.4733, 0.3201, 0.4263

Rectangle

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



53.4733, 0.2111, 0.2788



53.4733, 0.2357, 0.2400



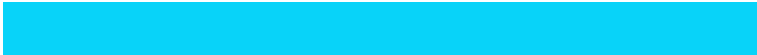
53.4733, 0.4262, 0.3629



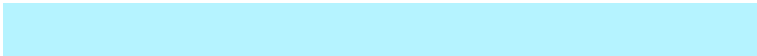
53.4733, 0.3899, 0.4240

Sweetspot

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



53.4752, 0.2111, 0.2788



81.3633, 0.2692, 0.3162



67.9999, 0.2966, 0.5857



16.9256, 0.2634, 0.3141



0.0000, 0.0000, 0.0000



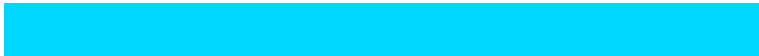
21.4041, 0.3127, 0.3290

Same Dimension

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



53.4752, 0.2111, 0.2788



55.7409, 0.2103, 0.2771



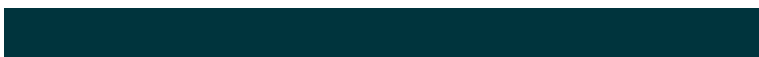
14.5481, 0.1657, 0.1146



19.1156, 0.2980, 0.3252



28.4518, 0.2106, 0.2780



2.7562, 0.2124, 0.2848

Inverse Universe

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



25.0110, 0.3645, 0.1790



26.1582, 0.3662, 0.1791



46.8886, 0.4957, 0.4429



17.4748, 0.3162, 0.3092



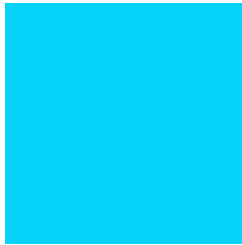
13.2831, 0.3653, 0.1786



1.2425, 0.3591, 0.1752

Previews

White Background



This preview shows how the Yxy color 53.4733, 0.2111, 0.2788 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 53.4733, 0.2111, 0.2788 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

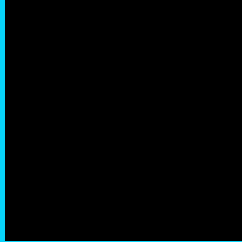
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.4733, 0.2111, 0.2788

Background



This preview shows how black text looks on a background with the Yxy color 53.4733, 0.2111, 0.2788.



This preview shows how white text looks on a background with the Yxy color 53.4733, 0.2111, 0.2788.

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

53.4733, 0.2111, 0.2788

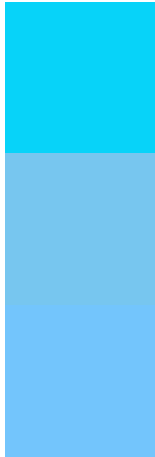
Protanopia

52.7125, 0.2759, 0.2767

Deuteranopia

52.7811, 0.2597, 0.2539

Trichromacy



Original Color

53.4733, 0.2111, 0.2788

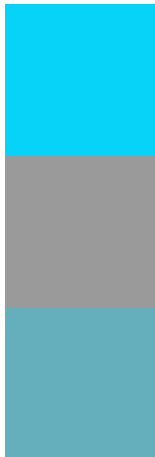
Protanomaly

50.5421, 0.2370, 0.2761

Deuteranomaly

50.6056, 0.2291, 0.2599

Monochromacy



Original Color

53.4733, 0.2111, 0.2788

Achromatopsia

32.3143, 0.3127, 0.3290

Achromatomaly

37.1008, 0.2475, 0.3073

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.4733, 0.2111, 0.2788 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(7, 211, 249)` looks like.

```
.text, #text, p{  
  color:rgb(7, 211, 249)  
}
```

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(7, 211, 249) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(7, 211, 249) }
```

Border

The CSS property to change the border of an element to Yxy 53.4733, 0.2111, 0.2788 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(7, 211, 249) }
```

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

```
.border{ border-color:rgb(7, 211, 249) }
```

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

Here you see how a box with a 4 pixel rgb(7, 211, 249) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(7, 211, 249); -webkit-box-  
shadow:4px 4px 4px 4px rgb(7, 211, 249);  
box-shadow:4px 4px 4px 4px rgb(7, 211,  
249) }
```

Background

The CSS property to change the background color of an element to Yxy 53.4733, 0.2111, 0.2788 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(7, 211, 249) }
```

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

```
.background{ background-color: rgb(7, 211,  
249) }
```

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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