

Converting Colors

$Y_{xy}(53.3451, 0.2137, 0.2873)$

Have a look what the booklet for
Yxy(53.3451, 0.2137, 0.2873)
contains.

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Color

Yxy(53.1452, 0.2134, 0.2861)

Conversions

Conversions Part 1

Format	Color
Hex	0DD3F3
RGB	13, 211, 243
RGB Percent	5%, 83%, 95%
CMY	0.9483, 0.1726, 0.0470
CMYK	0.95, 0.13, 0.00, 0.05
HSL	188°, 91%, 50%
HSV	188°, 95%, 95%
XYZ	39.6406, 53.1452, 92.9716
YIQ	155.4460, -128.2800, -32.0240

Conversions

Conversions Part 2

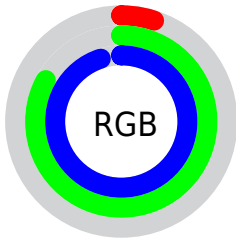
Format	Color
R _{YB}	13, 119, 243
Decimal	906227
CIE _{Lab}	77.96, -31.43, -27.74
CIE _{LCh}	78, 41.923, 221.427
Yxy	53.1452, 0.2134, 0.2861
Android (android.graphics.Color)	4279096307 (0xFF0DD3F3)
YUV	155.4460, 43.1641, -124.9251
Hunter-Lab	72.9008, -30.5149, -24.5830

Details

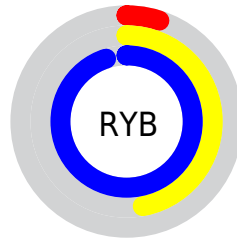
The Yxy color **53.1452, 0.2134, 0.2861** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **20.9781, 0.6187, 0.3417**, and the grayscale version is **32.8596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **27.3648, 0.2098, 0.2752** is the 20% darker color. If you saturate the color by 10%, you get **52.1530, 0.2121, 0.2835**, and if you desaturate by 10%, it is **55.1621, 0.2168, 0.2910**.

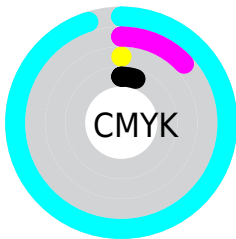
Distribution



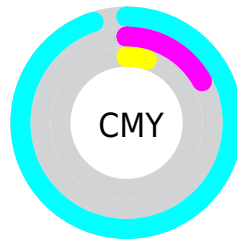
- Red (5%)
- Green (83%)
- Blue (95%)



- Red (5%)
- Yellow (47%)
- Blue (95%)



- Cyan (95%)
- Magenta (13%)
- Yellow (0%)
- Black (5%)





- Cyan (95%)
- Magenta (17%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.1452, 0.2134, 0.2861 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 53.1452, 0.2134, 0.2861 by changing the saturation by 10% instead.


 53.1452, 0.2134,
0.2861


 53.1452, 0.2134,
0.2861


 398.8419, 0.2597,
0.3084


 37.9187, 0.2029,
0.2804


 94.8180, 0.2294,
0.2943


 25.9196, 0.1901,
0.2731


 122.0331, 0.2357,
0.2974


 16.7635, 0.1742,
0.2635


 154.0131, 0.2410,
0.3000

 10.0660, 0.1538,
0.2502

 191.1426, 0.2457,
0.3022

 5.4427, 0.1275,
0.2311

 233.8058, 0.2498,
0.3041

 2.5093, 0.0931,
0.2022

282.3871, 0.2535,

 0.8813, 0.0129,

0.3057

0.1622

337.2711, 0.2567,
0.3072

■ 0.0000, 0.0000,
0.0000

■ 53.1452, 0.2134,
0.2861

■ 53.1452, 0.2134,
0.2861

■ 52.1530, 0.2121,
0.2835

■ 55.1621, 0.2168,
0.2910

■ 57.5123, 0.2221,
0.2960

■ 60.2487, 0.2294,
0.3010

■ 63.4133, 0.2386,
0.3059

■ 67.0419, 0.2495,
0.3107

■ 71.1666, 0.2620,
0.3153

■ 75.8163, 0.2757,
0.3196

■ 81.0176, 0.2903,
0.3237

■ 86.7952, 0.3056,
0.3274

Harmonies

Analogous

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



53.1452, 0.2334, 0.3385



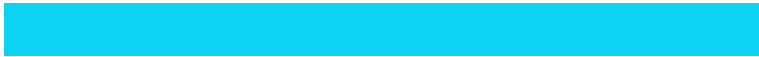
53.1452, 0.2134, 0.2861



53.1452, 0.2169, 0.2524

Triad

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



53.1452, 0.2134, 0.2861



53.1452, 0.3458, 0.2748



53.1452, 0.3807, 0.4263

Complementary

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



53.1452, 0.2134, 0.2861



20.9781, 0.6187, 0.3417

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.



53.1452, 0.4164, 0.3975



53.1452, 0.2134, 0.2861



53.1452, 0.3969, 0.3125

Square

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



53.1452, 0.2134, 0.2861



53.1452, 0.2889, 0.2492



53.1452, 0.4234, 0.3560



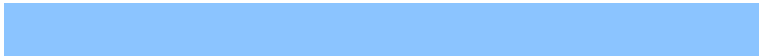
53.1452, 0.3285, 0.4277

Rectangle

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



53.1452, 0.2134, 0.2861



53.1452, 0.2320, 0.2422



53.1452, 0.4234, 0.3560



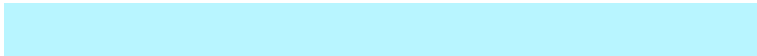
53.1452, 0.3952, 0.4190

Sweetspot

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



53.1471, 0.2134, 0.2861



82.6990, 0.2708, 0.3181



64.3761, 0.2967, 0.5846



17.2244, 0.2649, 0.3162



0.0000, 0.0000, 0.0000



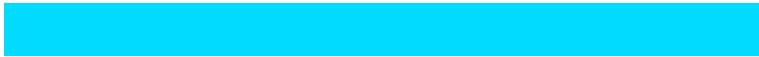
21.4041, 0.3127, 0.3290

Same Dimension

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



53.1471, 0.2134, 0.2861



58.1346, 0.2120, 0.2833



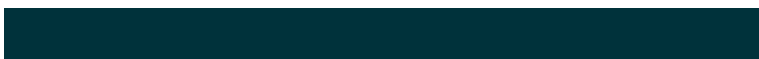
15.1921, 0.1687, 0.1240



18.3411, 0.2981, 0.3256



28.7700, 0.2123, 0.2842



2.6347, 0.2140, 0.2904

Inverse Universe

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



24.0525, 0.3577, 0.1761



26.3999, 0.3604, 0.1759



43.7938, 0.4968, 0.4405



16.7263, 0.3159, 0.3089



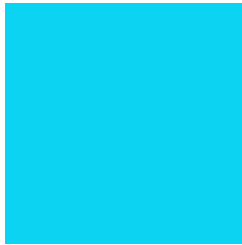
13.0037, 0.3596, 0.1754



1.1536, 0.3540, 0.1724

Previews

White Background



This preview shows how the Yxy color 53.1452, 0.2134, 0.2861 looks on a white background.

Color Contrast Check

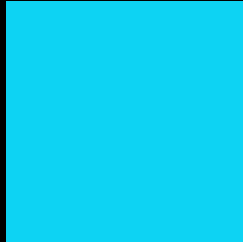
Large Text (above 18pt) WCAG AA × Fail

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 53.1452, 0.2134, 0.2861 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

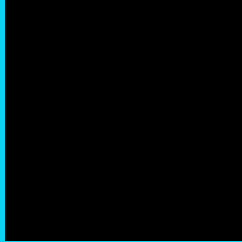
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.1452, 0.2134, 0.2861

Background



This preview shows how black text looks on a background with the Yxy color 53.1452, 0.2134, 0.2861.



This preview shows how white text looks on a background with the Yxy color 53.1452, 0.2134, 0.2861.

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

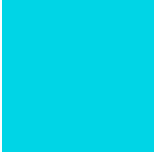
53.1452, 0.2134, 0.2861

Protanopia

52.0639, 0.2804, 0.2822

Deuteranopia

52.3275, 0.2650, 0.2591



Tritanopia

53.3017, 0.2182, 0.3054

Trichromacy



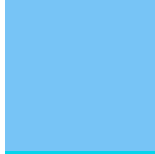
Original Color

53.1452, 0.2134, 0.2861



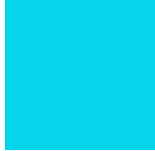
Protanomaly

49.8806, 0.2406, 0.2819



Deuteranomaly

50.0556, 0.2332, 0.2654



Tritanomaly

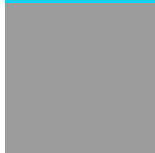
53.1174, 0.2162, 0.2975

Monochromacy



Original Color

53.1452, 0.2134, 0.2861



Achromatopsia

33.2452, 0.3127, 0.3290



Achromatomaly

37.6246, 0.2501, 0.3105

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.1452, 0.2134, 0.2861 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(13, 211, 243)` looks like.

```
.text, #text, p{  
    color:rgb(13, 211, 243)  
}
```

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(13, 211, 243) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(13, 211, 243) }
```

Border

The CSS property to change the border of an element to Yxy 53.1452, 0.2134, 0.2861 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(13, 211, 243) }
```

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

```
.border{ border-color:rgb(13, 211, 243) }
```

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

Here you see how a box with a 4 pixel `rgb(13, 211, 243)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(13, 211, 243); -webkit-box-  
shadow:4px 4px 4px 4px rgb(13, 211, 243);  
box-shadow:4px 4px 4px 4px rgb(13, 211,  
243) }
```


Background

The CSS property to change the background color of an element to Yxy 53.1452, 0.2134, 0.2861 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(13, 211, 243) }
```

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

```
.background{ background-color: rgb(13, 211,  
243) }
```

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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