

Converting Colors

$Y_{xy}(53.5412, 0.2147, 0.2931)$

Have a look what the booklet for
Yxy(53.5412, 0.2147, 0.2931)
contains.

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Color

Yxy(53.3190, 0.2146, 0.2924)

Conversions

Conversions Part 1

Format	Color
Hex	01D4EF
RGB	1, 212, 239
RGB Percent	0%, 83%, 94%
CMY	0.9966, 0.1687, 0.0627
CMYK	1.00, 0.11, 0.00, 0.06
HSL	187°, 99%, 47%
HSV	187°, 100%, 94%
XYZ	39.1322, 53.3190, 89.8983
YIQ	151.9890, -134.4230, -36.3350

Conversions

Conversions Part 2

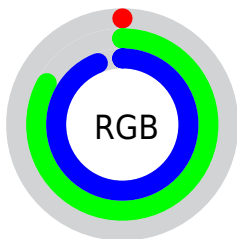
Format	Color
R _Y B	1, 113, 239
Decimal	120047
CIE Lab	78.06, -33.48, -25.45
CIE LCh	78, 42.053, 217.240
Yxy	53.3190, 0.2146, 0.2924
Android (android.graphics.Color)	4278310127 (0xFF01D4EF)
YUV	151.9890, 42.8964, -132.4174
Hunter-Lab	73.0199, -32.1245, -21.8809

Details

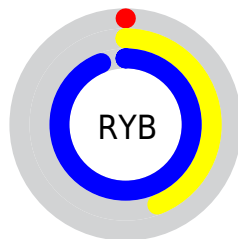
The Yxy color **53.3190, 0.2146, 0.2924** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light washed cyan. A complement of this color would be **19.1802, 0.6316, 0.3363**, and the grayscale version is **31.2306, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2507, 0.2423, 0.3288**, and **27.5328, 0.2121, 0.2834** is the 20% darker color. If you saturate the color by 10%, you get **53.2656, 0.2145, 0.2923**, and if you desaturate by 10%, it is **54.8864, 0.2170, 0.2963**.

Distribution



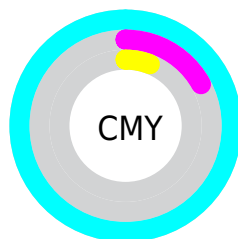
- Red (0%)
- Green (83%)
- Blue (94%)



- Red (0%)
- Yellow (44%)
- Blue (94%)



- Cyan (100%)
- Magenta (11%)
- Yellow (0%)
- Black (6%)





- Cyan (100%)
- Magenta (17%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 53.3190, 0.2146, 0.2924 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 53.3190, 0.2146, 0.2924 by changing the saturation by 10% instead.

 53.3190, 0.2146,
0.2924


 53.3190, 0.2146,
0.2924

399.5078, 0.2604,
0.3118


 38.0575, 0.2042,
0.2874

 95.0736, 0.2305,
0.2996

 26.0273, 0.1915,
0.2809


 122.3355, 0.2366,
0.3023

 16.8441, 0.1756,
0.2722


 154.3663, 0.2420,
0.3045

 10.1234, 0.1553,
0.2602

 191.5504, 0.2466,
0.3064

 5.4808, 0.1289,
0.2426

 234.2722, 0.2507,
0.3080

 2.5321, 0.0942,
0.2154

282.9161, 0.2543,

 0.8926, 0.0062,

0.3094

0.1783

337.8665, 0.2575,
0.3107

■ 0.0000, 0.0000,
0.0000

■ 53.3190, 0.2146,
0.2924

■ 53.3190, 0.2146,
0.2924

■ 53.2656, 0.2145,
0.2923

■ 54.8864, 0.2170,
0.2963

■ 56.7177, 0.2210,
0.3003

■ 58.8859, 0.2270,
0.3043

■ 61.4350, 0.2348,
0.3083

■ 64.4019, 0.2446,
0.3122

■ 67.8190, 0.2560,
0.3160

■ 71.7154, 0.2689,
0.3196

■ 76.1176, 0.2830,
0.3230

■ 81.0502, 0.2978,
0.3262

Harmonies

Analogous

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



53.3190, 0.2378, 0.3466



53.3190, 0.2146, 0.2924



53.3190, 0.2149, 0.2556

Triad

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



53.3190, 0.2146, 0.2924



53.3190, 0.3378, 0.2702



53.3190, 0.3872, 0.4238

Complementary

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



53.3190, 0.2146, 0.2924



19.1802, 0.6316, 0.3363

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.



53.3190, 0.4196, 0.3923



53.3190, 0.2146, 0.2924



53.3190, 0.3911, 0.3067

Square

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



53.3190, 0.2146, 0.2924



53.3190, 0.2815, 0.2467



53.3190, 0.4219, 0.3498



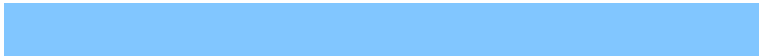
53.3190, 0.3363, 0.4298

Rectangle

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



53.3190, 0.2146, 0.2924



53.3190, 0.2279, 0.2434



53.3190, 0.4219, 0.3498



53.3190, 0.4007, 0.4153

Sweetspot

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



53.3209, 0.2146, 0.2924



82.8505, 0.2683, 0.3194



61.8142, 0.2984, 0.5940



17.3122, 0.2627, 0.3179



0.0000, 0.0000, 0.0000



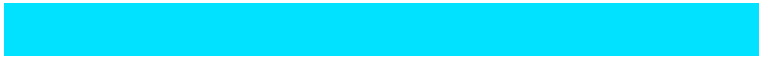
21.4041, 0.3127, 0.3290

Same Dimension

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



53.3209, 0.2146, 0.2924



61.6488, 0.2145, 0.2921



14.6278, 0.1679, 0.1241



17.6047, 0.2981, 0.3262



29.5559, 0.2147, 0.2929



2.5451, 0.2161, 0.2981

Inverse Universe

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



23.1247, 0.3522, 0.1715



26.7546, 0.3524, 0.1715



38.2276, 0.5130, 0.4306



15.9987, 0.3155, 0.3083



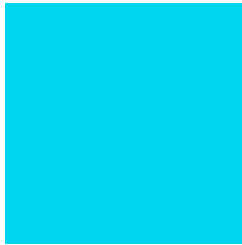
12.7770, 0.3517, 0.1711



1.0716, 0.3471, 0.1686

Previews

White Background



This preview shows how the Yxy color 53.3190, 0.2146, 0.2924 looks on a white background.

Color Contrast Check

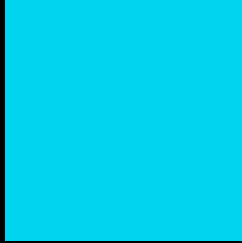
Large Text (above 18pt) WCAG AA × Fail

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 53.3190, 0.2146, 0.2924 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 53.3190, 0.2146, 0.2924

Background



This preview shows how black text looks on a background with the Yxy color 53.3190, 0.2146, 0.2924.

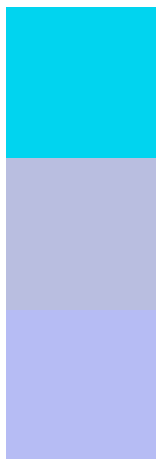


This preview shows how white text looks on a background with the Yxy color 53.3190, 0.2146, 0.2924.

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

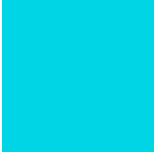
53.3254, 0.2146, 0.2924

Protanopia

52.5230, 0.2845, 0.2881

Deuteranopia

52.4432, 0.2695, 0.2636



Tritanopia

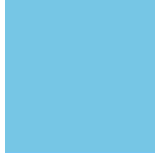
53.3017, 0.2182, 0.3054

Trichromacy



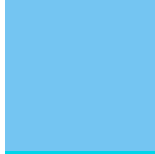
Original Color

53.3254, 0.2146, 0.2924



Protanomaly

49.8969, 0.2413, 0.2880



Deuteranomaly

50.0563, 0.2339, 0.2711



Tritanomaly

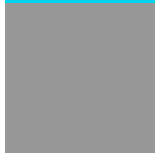
53.4717, 0.2171, 0.3015

Monochromacy



Original Color

53.3254, 0.2146, 0.2924



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

36.2742, 0.2479, 0.3132

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.3190, 0.2146, 0.2924 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(1, 212, 239)` looks like.

```
.text, #text, p{  
    color:rgb(1, 212, 239)  
}
```

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(1, 212, 239) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 212, 239) }
```

Border

The CSS property to change the border of an element to Yxy 53.3190, 0.2146, 0.2924 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(1, 212, 239) }
```

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

```
.border{ border-color:rgb(1, 212, 239) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 212, 239)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 212, 239); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 212, 239);  
box-shadow:4px 4px 4px 4px rgb(1, 212,  
239) }
```


Background

The CSS property to change the background color of an element to Yxy 53.3190, 0.2146, 0.2924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 212, 239) }
```

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

```
.background{ background-color: rgb(1, 212,  
239) }
```

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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