

Converting Colors

$Y_{xy}(54.3151, 0.1937, 0.2358)$

Have a look what the booklet for
Yxy(54.3151, 0.1937, 0.2358)
contains.

Yxy(53.3132, 0.2085, 0.2704)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(53.3132, 0.2085, 0.2704)

Conversions

Conversions Part 1

Format	Color
Hex	01D2FF
RGB	1, 210, 255
RGB Percent	0%, 82%, 100%
CMY	0.9953, 0.1765, 0.0000
CMYK	1.00, 0.18, 0.00, 0.00
HSL	191°, 100%, 50%
HSV	191°, 100%, 100%
XYZ	41.1087, 53.3132, 102.7423
YIQ	152.6390, -139.0090, -30.3130

Conversions

Conversions Part 2

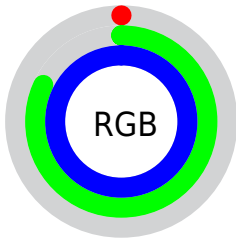
Format	Color
R _Y B	1, 116, 255
Decimal	119551
CIE Lab	78.06, -27.30, -34.00
CIE LCh	78, 43.603, 231.230
Yxy	53.3132, 0.2085, 0.2704
Android (android.graphics.Color)	4278309631 (0xFF01D2FF)
YUV	152.6390, 50.4640, -132.9874
Hunter-Lab	73.0159, -27.2804, -32.3171

Details

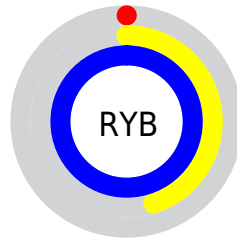
The Yxy color **53.3132, 0.2085, 0.2704** is a light color, and the websafe version is hex **00CCFF**. The color can be described as light saturated cyan. A complement of this color would be **23.2339, 0.6233, 0.3429**, and the grayscale version is **31.5370, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **27.5199, 0.2048, 0.2572** is the 20% darker color. If you saturate the color by 10%, you get **53.2008, 0.2084, 0.2701**, and if you desaturate by 10%, it is **55.8002, 0.2117, 0.2768**.

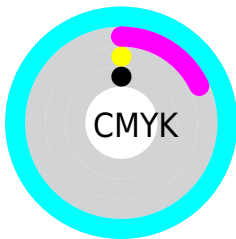
Distribution



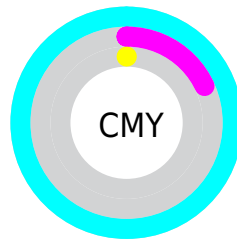
- Red (0%)
- Green (82%)
- Blue (100%)



- Red (0%)
- Yellow (45%)
- Blue (100%)



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (18%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 53.3132, 0.2085, 0.2704 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 53.3132, 0.2085, 0.2704 by changing the saturation by 10% instead.


 53.3132, 0.2085,
0.2704

 53.3132, 0.2085,
0.2704

399.4856, 0.2567,
0.3000


 38.0529, 0.1977,
0.2631


 95.0651, 0.2251,
0.2811

 26.0237, 0.1846,
0.2540


 122.3254, 0.2316,
0.2851


 16.8414, 0.1684,
0.2421


 154.3545, 0.2372,
0.2886

 10.1215, 0.1479,
0.2262

 191.5368, 0.2421,
0.2915

 5.4796, 0.1218,
0.2041

 234.2566, 0.2464,
0.2941

 2.5313, 0.0884,
0.1725

282.8985, 0.2502,

 0.8923, 0.0262,

0.2963

0.1288

337.8466, 0.2536,
0.2983

■ 0.0000, 0.0000,
0.0000

■ 53.3132, 0.2085,
0.2704

■ 53.3132, 0.2085,
0.2704

■ 53.2008, 0.2084,
0.2701

■ 55.8002, 0.2117,
0.2768

■ 58.6352, 0.2165,
0.2832

■ 61.8995, 0.2233,
0.2897

■ 65.6452, 0.2320,
0.2962

■ 69.9159, 0.2426,
0.3025

■ 74.7499, 0.2548,
0.3085

■ 80.1817, 0.2683,
0.3143

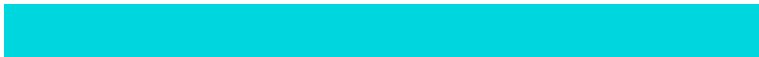
■ 86.2426, 0.2828,
0.3197

■ 92.9618, 0.2979,
0.3247

Harmonies

Analogous

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



53.3132, 0.2211, 0.3194



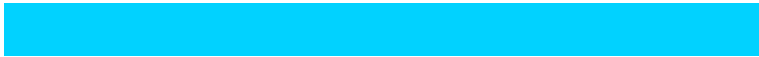
53.3132, 0.2085, 0.2704



53.3132, 0.2199, 0.2432

Triad

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



53.3132, 0.2085, 0.2704



53.3132, 0.3661, 0.2845



53.3132, 0.3665, 0.4344

Complementary

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



53.3132, 0.2085, 0.2704



23.2339, 0.6233, 0.3429

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.



53.3132, 0.4109, 0.4117



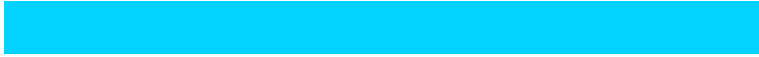
53.3132, 0.2085, 0.2704



53.3132, 0.4128, 0.3261

Square

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



53.3132, 0.2085, 0.2704



53.3132, 0.3066, 0.2534



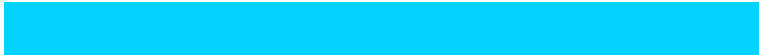
53.3132, 0.4291, 0.3713



53.3132, 0.3101, 0.4242

Rectangle

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



53.3132, 0.2085, 0.2704



53.3132, 0.2403, 0.2376



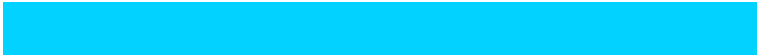
53.3132, 0.4291, 0.3713



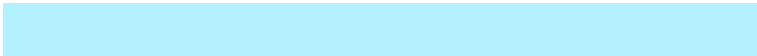
53.3132, 0.3834, 0.4298

Sweetspot

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



53.3142, 0.2085, 0.2704



79.9107, 0.2677, 0.3140



71.7059, 0.2964, 0.5868



16.6006, 0.2618, 0.3116



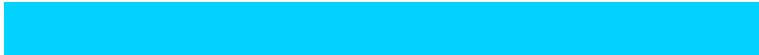
0.0000, 0.0000, 0.0000



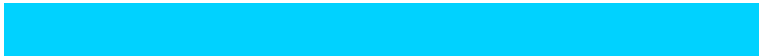
21.4041, 0.3127, 0.3290

Same Dimension

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



53.3142, 0.2085, 0.2704



53.2008, 0.2084, 0.2701



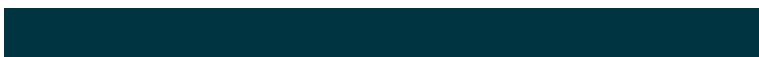
13.8522, 0.1627, 0.1054



19.9010, 0.2980, 0.3247



27.9981, 0.2087, 0.2712



2.8630, 0.2107, 0.2785

Inverse Universe

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



25.9387, 0.3724, 0.1827



25.9018, 0.3727, 0.1827



50.1631, 0.4945, 0.4453



18.2418, 0.3165, 0.3097



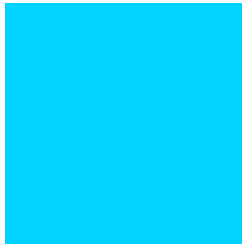
13.5544, 0.3717, 0.1821



1.3336, 0.3649, 0.1784

Previews

White Background



This preview shows how the Yxy color 53.3132, 0.2085, 0.2704 looks on a white background.

Color Contrast Check

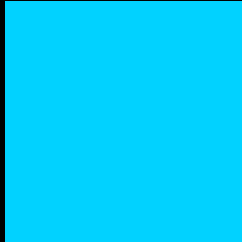
Large Text (above 18pt) WCAG AA × Fail

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 53.3132, 0.2085, 0.2704 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

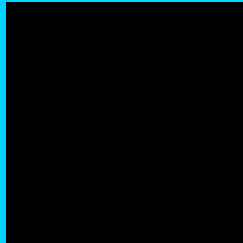
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 53.3132, 0.2085, 0.2704

Background



This preview shows how black text looks on a background with the Yxy color 53.3132, 0.2085, 0.2704.



This preview shows how white text looks on a background with the Yxy color 53.3132, 0.2085, 0.2704.

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

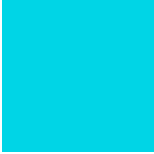
53.3196, 0.2085, 0.2704

Protanopia

52.2702, 0.2699, 0.2687

Deuteranopia

52.4994, 0.2572, 0.2525



Tritanopia

53.3017, 0.2182, 0.3054

Trichromacy



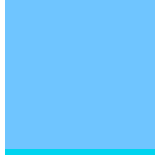
Original Color

53.3196, 0.2085, 0.2704



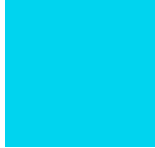
Protanomaly

50.1025, 0.2317, 0.2676



Deuteranomaly

50.5320, 0.2261, 0.2564



Tritanomaly

53.3190, 0.2146, 0.2924

Monochromacy



Original Color

53.3196, 0.2085, 0.2704



Achromatopsia

31.8547, 0.3127, 0.3290



Achromatomaly

36.5865, 0.2450, 0.3042

CSS Examples

Text

The CSS property to change the color of the text to Yxy 53.3132, 0.2085, 0.2704 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, 210, 255)` looks like.

```
.text, #text, p{  
    color:rgb(1, 210, 255)  
}
```

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, 210, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 210, 255) }
```

Border

The CSS property to change the border of an element to Yxy 53.3132, 0.2085, 0.2704 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, 210, 255) }
```

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

```
.border{ border-color:rgb(1, 210, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 210, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 210, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 210, 255);  
box-shadow:4px 4px 4px 4px rgb(1, 210,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 53.3132, 0.2085, 0.2704 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 210, 255) }
```

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

```
.background{ background-color: rgb(1, 210,  
255) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor