

Converting Colors

$Y_{xy}(49.9351, 0.1913, 0.2530)$

Have a look what the booklet for
Yxy(49.9351, 0.1913, 0.2530)
contains.

Yxy(51.3626, 0.2069, 0.2649)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	22
<i>Color Blindness Simulation</i>	25
<i>CSS Examples</i>	28

Color

Yxy(51.3626, 0.2069, 0.2649)

Conversions

Conversions Part 1

Format	Color
Hex	00CEFF
RGB	0, 206, 255
RGB Percent	0%, 81%, 100%
CMY	1.0000, 0.1921, 0.0000
CMYK	1.00, 0.19, 0.00, 0.00
HSL	192°, 100%, 50%
HSV	192°, 100%, 100%
XYZ	40.1167, 51.3626, 102.4150
YIQ	149.9920, -138.5050, -28.4330

Conversions

Conversions Part 2

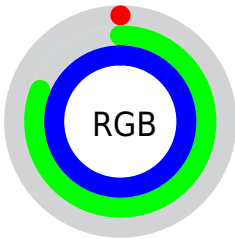
Format	Color
RYB	0, 114, 255
Decimal	52991
CIELab	76.90, -25.36, -35.79
CIELCh	77, 43.866, 234.674
Yxy	51.3626, 0.2069, 0.2649
Android (android.graphics.Color)	4278243071 (0xFF00CEFF)
YUV	149.9920, 51.7689, -131.5430
Hunter-Lab	71.6677, -25.5013, -34.5595

Details

The Yxy color **51.3626, 0.2069, 0.2649** 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 **23.4558, 0.6218, 0.3445**, and the grayscale version is **30.3186, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **26.5337, 0.2033, 0.2518** is the 20% darker color. If you saturate the color by 10%, you get **51.3672, 0.2069, 0.2649**, and if you desaturate by 10%, it is **53.9762, 0.2102, 0.2719**.

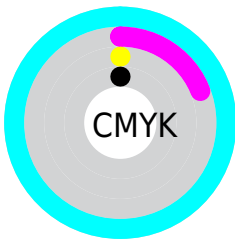
Distribution



- Red (0%)
- Green (81%)
- Blue (100%)



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



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (0%)





- Cyan (100%)
- Magenta (19%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.3626, 0.2069, 0.2649 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 51.3626, 0.2069, 0.2649 by changing the saturation by 10% instead.


 51.3626, 0.2069,
0.2649


 51.3626, 0.2069,
0.2649


391.9709, 0.2561,
0.2972

 36.4973, 0.1959,
0.2570


 92.1905, 0.2239,
0.2765


 24.8185, 0.1824,
0.2471

 118.9219, 0.2305,
0.2809


 15.9419, 0.1658,
0.2342


 150.3774, 0.2362,
0.2847

 9.4830, 0.1448,
0.2171

 186.9415, 0.2412,
0.2879

 5.0576, 0.1181,
0.1935

 228.9985, 0.2456,
0.2907

 2.2811, 0.0842,
0.1600

276.9328, 0.2495,

 0.7637, 0.0160,

0.2931

0.1144

331.1288, 0.2530,
0.2953

■ 0.0000, 0.0000,
0.0000

■ 51.3626, 0.2069,
0.2649

■ 51.3626, 0.2069,
0.2649

■ 51.3672, 0.2069,
0.2649

■ 53.9762, 0.2102,
0.2719

■ 56.9370, 0.2152,
0.2789

■ 60.3352, 0.2221,
0.2860

■ 64.2233, 0.2309,
0.2930

■ 68.6455, 0.2417,
0.2999

■ 73.6405, 0.2539,
0.3065

■ 79.2429, 0.2675,
0.3128

■ 85.4844, 0.2820,
0.3187

■ 92.3944, 0.2972,
0.3241

Harmonies

Analogous

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



51.3626, 0.2168, 0.3124



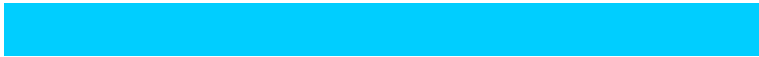
51.3626, 0.2069, 0.2649



51.3626, 0.2212, 0.2400

Triad

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



51.3626, 0.2069, 0.2649



51.3626, 0.3736, 0.2881



51.3626, 0.3611, 0.4372

Complementary

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



51.3626, 0.2069, 0.2649



23.4558, 0.6218, 0.3445

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.



51.3626, 0.4085, 0.4169



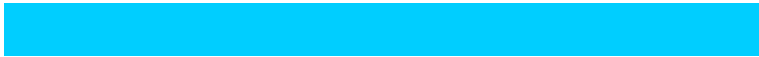
51.3626, 0.2069, 0.2649



51.3626, 0.4184, 0.3311

Square

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



51.3626, 0.2069, 0.2649



51.3626, 0.3134, 0.2550



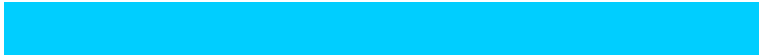
51.3626, 0.4308, 0.3770



51.3626, 0.3032, 0.4225

Rectangle

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



51.3626, 0.2069, 0.2649



51.3626, 0.2436, 0.2361



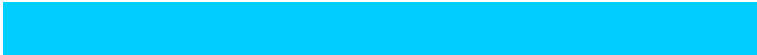
51.3626, 0.4308, 0.3770



51.3626, 0.3788, 0.4337

Sweetspot

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



51.3672, 0.2069, 0.2649



79.2429, 0.2675, 0.3128



71.7232, 0.2959, 0.5851



16.4393, 0.2617, 0.3102



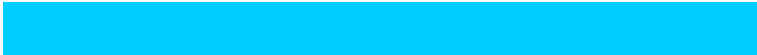
0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



51.3672, 0.2069, 0.2649



13.0678, 0.1613, 0.1005



19.8533, 0.2980, 0.3243



27.0516, 0.2073, 0.2661



2.7791, 0.2095, 0.2740

Inverse Universe

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



25.7167, 0.3777, 0.1854



51.6288, 0.4905, 0.4488



18.2370, 0.3168, 0.3100



13.4588, 0.3766, 0.1848



1.3251, 0.3690, 0.1806

Previews

White Background



This preview shows how the Yxy color 51.3626, 0.2069, 0.2649 looks on a white background.

Color Contrast Check

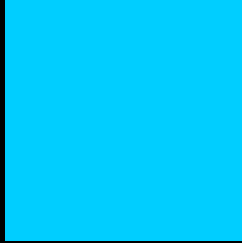
Large Text (above 18pt) WCAG AA × Fail

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 51.3626, 0.2069, 0.2649 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

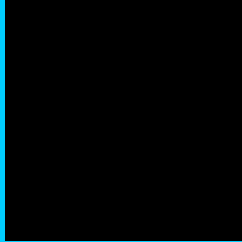
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.3626, 0.2069, 0.2649

Background



This preview shows how black text looks on a background with the Yxy color 51.3626, 0.2069, 0.2649.

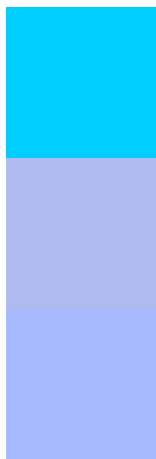


This preview shows how white text looks on a background with the Yxy color 51.3626, 0.2069, 0.2649.

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

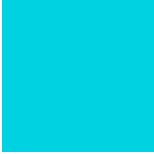
51.3626, 0.2069, 0.2649

Protanopia

50.5230, 0.2668, 0.2645

Deuteranopia

50.6626, 0.2536, 0.2483



Tritanopia

51.5842, 0.2185, 0.3064

Trichromacy



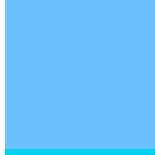
Original Color

51.3626, 0.2069, 0.2649



Protanomaly

48.1120, 0.2293, 0.2619



Deuteranomaly

48.4857, 0.2233, 0.2508



Tritanomaly

51.7154, 0.2141, 0.2907

Monochromacy



Original Color

51.3626, 0.2069, 0.2649



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

34.8132, 0.2433, 0.3006

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.3626, 0.2069, 0.2649 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(0, 206, 255)` looks like.

```
.text, #text, p{  
    color:rgb(0, 206, 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(0, 206, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 206, 255) }
```

Border

The CSS property to change the border of an element to Yxy 51.3626, 0.2069, 0.2649 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(0, 206, 255) }
```

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

```
.border{ border-color:rgb(0, 206, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 206, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 206, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 206, 255);  
box-shadow:4px 4px 4px 4px rgb(0, 206,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 51.3626, 0.2069, 0.2649 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 206, 255) }
```

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

```
.background{ background-color: rgb(0, 206,  
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