

Converting Colors

$Yxy(48.5948, 0.1880, 0.2626)$

Have a look what the booklet for
Yxy(48.5948, 0.1880, 0.2626)
contains.

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Color

Yxy(51.2984, 0.2072, 0.2660)

Conversions

Conversions Part 1

Format	Color
Hex	00CEFE
RGB	0, 206, 254
RGB Percent	0%, 81%, 100%
CMY	1.0000, 0.1921, 0.0038
CMYK	1.00, 0.19, 0.00, 0.00
HSL	191°, 100%, 50%
HSV	191°, 100%, 100%
XYZ	39.9588, 51.2984, 101.5940
YIQ	149.8780, -138.1840, -28.7440

Conversions

Conversions Part 2

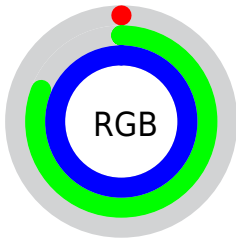
Format	Color
RYB	0, 114, 254
Decimal	52990
CIELab	76.86, -25.69, -35.33
CIELCh	77, 43.684, 233.978
Yxy	51.2984, 0.2072, 0.2660
Android (android.graphics.Color)	4278243070 (0xFF00CEFE)
YUV	149.8780, 51.3321, -131.4430
Hunter-Lab	71.6229, -25.7541, -33.9643

Details

The Yxy color **51.2984, 0.2072, 0.2660** 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 **23.1949, 0.6223, 0.3441**, and the grayscale version is **30.2711, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.3848, 0.2430, 0.3288**, and **26.1644, 0.2032, 0.2514** is the 20% darker color. If you saturate the color by 10%, you get **51.3045, 0.2072, 0.2660**, and if you desaturate by 10%, it is **53.8647, 0.2105, 0.2728**.

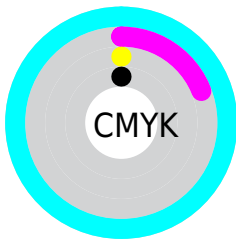
Distribution



- 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 51.2984, 0.2072, 0.2660 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 51.2984, 0.2072, 0.2660 by changing the saturation by 10% instead.

 51.2984, 0.2072,
0.2660


 51.2984, 0.2072,
0.2660


391.7220, 0.2563,
0.2978


 36.4461, 0.1962,
0.2582


 92.0957, 0.2241,
0.2775


 24.7790, 0.1828,
0.2484


 118.8095, 0.2307,
0.2818

 15.9124, 0.1661,
0.2357


 150.2460, 0.2365,
0.2855

 9.4622, 0.1452,
0.2187

 186.7896, 0.2414,
0.2887

 5.0439, 0.1184,
0.1952

 228.8245, 0.2458,
0.2914

 2.2730, 0.0843,
0.1618

276.7353, 0.2497,

 0.7594, 0.0145,

0.2938

0.1162

330.9064, 0.2532,
0.2959

■ 0.0000, 0.0000,
0.0000

■ 51.2984, 0.2072,
0.2660

■ 51.2984, 0.2072,
0.2660

■ 51.3045, 0.2072,
0.2660

■ 53.8647, 0.2105,
0.2728

■ 56.7713, 0.2154,
0.2798

■ 60.1092, 0.2223,
0.2867

■ 63.9304, 0.2311,
0.2936

■ 68.2787, 0.2418,
0.3004

■ 73.1923, 0.2540,
0.3069

■ 78.7056, 0.2676,
0.3130

■ 84.8499, 0.2821,
0.3188

■ 91.6543, 0.2972,
0.3241

Harmonies

Analogous

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



51.2984, 0.2177, 0.3139



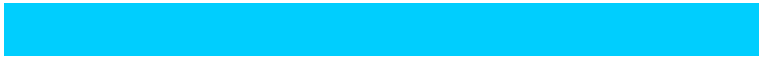
51.2984, 0.2072, 0.2660



51.2984, 0.2210, 0.2406

Triad

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



51.2984, 0.2072, 0.2660



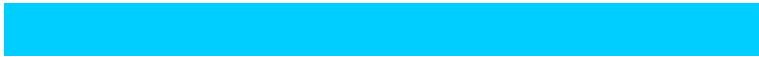
51.2984, 0.3721, 0.2874



51.2984, 0.3622, 0.4367

Complementary

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



51.2984, 0.2072, 0.2660



23.1949, 0.6223, 0.3441

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.



51.2984, 0.4090, 0.4158



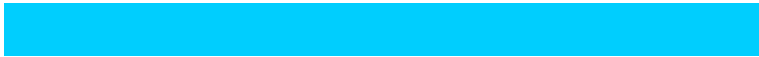
51.2984, 0.2072, 0.2660



51.2984, 0.4173, 0.3301

Square

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



51.2984, 0.2072, 0.2660



51.2984, 0.3120, 0.2547



51.2984, 0.4305, 0.3758



51.2984, 0.3046, 0.4229

Rectangle

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



51.2984, 0.2072, 0.2660



51.2984, 0.2429, 0.2364



51.2984, 0.4305, 0.3758



51.2984, 0.3798, 0.4329

Sweetspot

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



51.3045, 0.2072, 0.2660



79.3803, 0.2675, 0.3130



71.1108, 0.2958, 0.5851



16.4725, 0.2617, 0.3105



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.



51.3045, 0.2072, 0.2660



51.7420, 0.2072, 0.2660



12.9612, 0.1613, 0.1005



19.8631, 0.2980, 0.3244



27.2451, 0.2075, 0.2671



2.7963, 0.2097, 0.2750

Inverse Universe

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



25.5350, 0.3766, 0.1848



25.7545, 0.3766, 0.1848



51.1938, 0.4904, 0.4488



18.2380, 0.3167, 0.3099



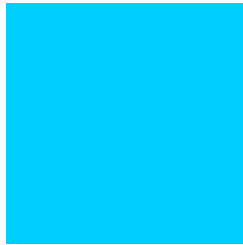
13.4784, 0.3755, 0.1842



1.3268, 0.3681, 0.1802

Previews

White Background



This preview shows how the Yxy color 51.2984, 0.2072, 0.2660 looks on a white background.

Color Contrast Check

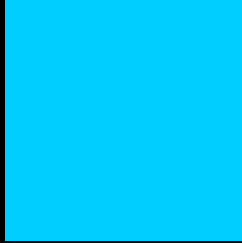
Large Text (above 18pt) WCAG AA × Fail

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 51.2984, 0.2072, 0.2660 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

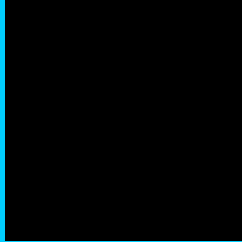
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 51.2984, 0.2072, 0.2660

Background



This preview shows how black text looks on a background with the Yxy color 51.2984, 0.2072, 0.2660.

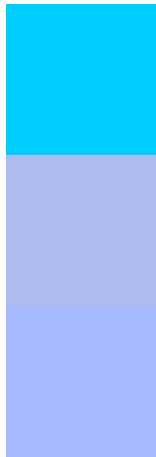


This preview shows how white text looks on a background with the Yxy color 51.2984, 0.2072, 0.2660.

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

51.2984, 0.2072, 0.2660

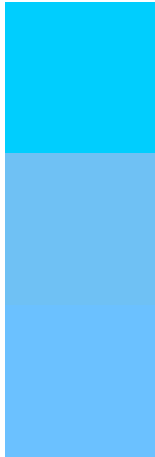
Protanopia

50.4638, 0.2675, 0.2656

Deuteranopia

50.6626, 0.2536, 0.2483

Trichromacy



Original Color

51.2984, 0.2072, 0.2660

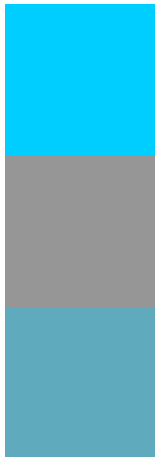
Protanomaly

48.0511, 0.2297, 0.2631

Deuteranomaly

48.4857, 0.2233, 0.2508

Monochromacy



Original Color

51.2984, 0.2072, 0.2660

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 51.2984, 0.2072, 0.2660 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(0, 206, 254)  
}
```

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, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 206, 254) }
```

Border

The CSS property to change the border of an element to Yxy 51.2984, 0.2072, 0.2660 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, 254) }
```

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

```
.border{ border-color:rgb(0, 206, 254) }
```

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, 254) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 206, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 206, 254);  
box-shadow:4px 4px 4px 4px rgb(0, 206,  
254) }
```

Background

The CSS property to change the background color of an element to Yxy 51.2984, 0.2072, 0.2660 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, 254) }
```

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

```
.background{ background-color: rgb(0, 206,  
254) }
```

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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