

Converting Colors

$Yxy(37.3631, 0.1969, 0.2288)$

Have a look what the booklet for
Yxy(37.3631, 0.1969, 0.2288)
contains.

Yxy(37.3753, 0.1970, 0.2293)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.3753, 0.1970, 0.2293)

Conversions

Conversions Part 1

Format	Color
Hex	00AFF7
RGB	0, 175, 247
RGB Percent	0%, 69%, 97%
CMY	1.0000, 0.3137, 0.0314
CMYK	1.00, 0.29, 0.00, 0.03
HSL	197°, 100%, 48%
HSV	197°, 100%, 97%
XYZ	32.1105, 37.3753, 93.5116
YIQ	130.8830, -127.4120, -14.7080

Conversions

Conversions Part 2

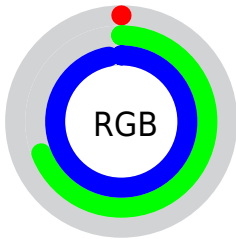
Format	Color
RYB	0, 102, 247
Decimal	45047
CIELab	67.56, -11.93, -46.04
CIELCh	68, 47.562, 255.477
Yxy	37.3753, 0.1970, 0.2293
Android (android.graphics.Color)	4278235127 (0xFF00AFF7)
YUV	130.8830, 57.2457, -114.7844
Hunter-Lab	61.1353, -13.2322, -47.8943

Details

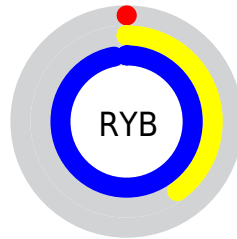
The Yxy color **37.3753, 0.1970, 0.2293** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **24.4049, 0.6013, 0.3608**, and the grayscale version is **22.4825, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1931, 0.2352, 0.2988**, and **17.8836, 0.1914, 0.2090** is the 20% darker color. If you saturate the color by 10%, you get **37.3810, 0.1970, 0.2293**, and if you desaturate by 10%, it is **40.4612, 0.2016, 0.2402**.

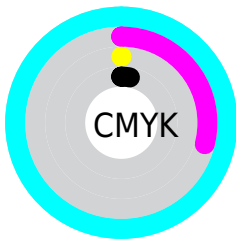
Distribution



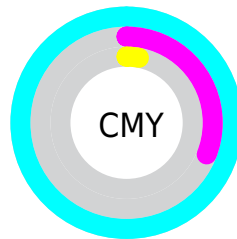
- Red (0%)
- Green (69%)
- Blue (97%)



- Red (0%)
- Yellow (40%)
- Blue (97%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (3%)





- Cyan (100%)
- Magenta (31%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.3753, 0.1970, 0.2293 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 37.3753, 0.1970, 0.2293 by changing the saturation by 10% instead.


 37.3753, 0.1970,
0.2293


 37.3753, 0.1970,
0.2293


334.9325, 0.2531,
0.2794

 25.4982, 0.1840,
0.2172


 71.1496, 0.2167,
0.2473

 16.4486, 0.1680,
0.2020


 93.8156, 0.2243,
0.2542


 9.8422, 0.1481,
0.1826


 120.8467, 0.2309,
0.2600

 5.2944, 0.1229,
0.1575

 152.6273, 0.2365,
0.2650

 2.4210, 0.0913,
0.1244

 189.5418, 0.2415,
0.2693

 0.8367, 0.0494,
0.0820

231.9746, 0.2458,

 0.0000, 0.0000,

0.2731

0.0000

280.3100, 0.2497,
0.2765

■ 37.3753, 0.1970,
0.2293

■ 37.3753, 0.1970,
0.2293

■ 37.3810, 0.1970,
0.2293

■ 40.4612, 0.2016,
0.2402

■ 43.9503, 0.2079,
0.2513

■ 47.9299, 0.2163,
0.2625

■ 52.4502, 0.2267,
0.2736

■ 57.5535, 0.2387,
0.2843

■ 63.2771, 0.2522,
0.2946

■ 69.6545, 0.2666,
0.3043

■ 76.7163, 0.2818,
0.3133

■ 84.4912, 0.2972,
0.3215

Harmonies

Analogous

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



37.3753, 0.1887, 0.2657



37.3753, 0.1970, 0.2293



37.3753, 0.2318, 0.2199

Triad

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



37.3753, 0.1970, 0.2293



37.3753, 0.4272, 0.3138



37.3753, 0.3210, 0.4544

Complementary

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



37.3753, 0.1970, 0.2293



24.4049, 0.6013, 0.3608

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.



37.3753, 0.3882, 0.4548



37.3753, 0.1970, 0.2293



37.3753, 0.4547, 0.3668

Square

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



37.3753, 0.1970, 0.2293



37.3753, 0.3640, 0.2670



37.3753, 0.4383, 0.4182



37.3753, 0.2552, 0.4047

Rectangle

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



37.3753, 0.1970, 0.2293



37.3753, 0.2689, 0.2267



37.3753, 0.4383, 0.4182



37.3753, 0.3442, 0.4600

Sweetspot

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



37.3810, 0.1970, 0.2293



74.8561, 0.2665, 0.3042



66.9597, 0.2907, 0.5664



15.3839, 0.2603, 0.3002



0.0000, 0.0000, 0.0000



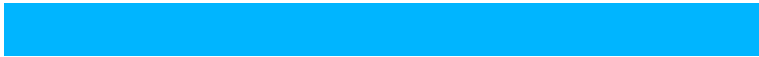
21.4041, 0.3127, 0.3290

Same Dimension

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



37.3810, 0.1970, 0.2293



40.1412, 0.1970, 0.2291



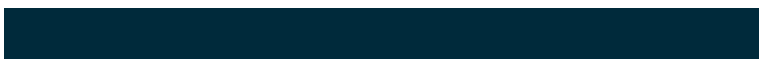
9.3085, 0.1556, 0.0801



17.8943, 0.2980, 0.3219



20.0277, 0.1975, 0.2311



1.9369, 0.2014, 0.2449

Inverse Universe

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



22.8688, 0.4134, 0.2051



24.5834, 0.4135, 0.2052



58.1248, 0.4646, 0.4693



16.6812, 0.3183, 0.3124



12.1212, 0.4114, 0.2040



1.0832, 0.3974, 0.1963

Previews

White Background



This preview shows how the Yxy color 37.3753, 0.1970, 0.2293 looks on a white background.

Color Contrast Check

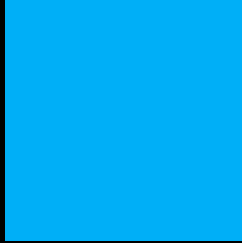
Large Text (above 18pt) WCAG AA × Fail

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 37.3753, 0.1970, 0.2293 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

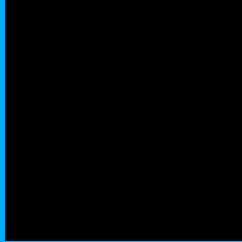
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

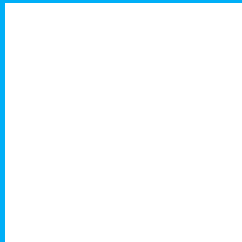
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.3753, 0.1970, 0.2293

Background



This preview shows how black text looks on a background with the Yxy color 37.3753, 0.1970, 0.2293.



This preview shows how white text looks on a background with the Yxy color 37.3753, 0.1970, 0.2293.

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

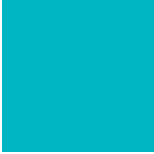
37.3753, 0.1970, 0.2293

Protanopia

36.9769, 0.2413, 0.2324

Deuteranopia

37.1615, 0.2236, 0.2173



Tritanopia

37.3960, 0.2189, 0.3080

Trichromacy



Original Color

37.3753, 0.1970, 0.2293



Protanomaly

35.5791, 0.2136, 0.2287



Deuteranomaly

36.0548, 0.2061, 0.2187



Tritanomaly

37.0952, 0.2099, 0.2755

Monochromacy



Original Color

37.3753, 0.1970, 0.2293



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

25.7236, 0.2377, 0.2838

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3753, 0.1970, 0.2293 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, 175, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 247)  
}
```

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, 175, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 247) }
```

Border

The CSS property to change the border of an element to Yxy 37.3753, 0.1970, 0.2293 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, 175, 247) }
```

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

```
.border{ border-color:rgb(0, 175, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 175, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3753, 0.1970, 0.2293 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 175, 247) }
```

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

```
.background{ background-color: rgb(0, 175,  
247) }
```

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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