

Converting Colors

$Yxy(37.4844, 0.1998, 0.2394)$

Have a look what the booklet for
Yxy(37.4844, 0.1998, 0.2394)
contains.

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Color

Yxy(37.3419, 0.1996, 0.2385)

Conversions

Conversions Part 1

Format	Color
Hex	00B0F0
RGB	0, 176, 240
RGB Percent	0%, 69%, 94%
CMY	0.9992, 0.3098, 0.0589
CMYK	1.00, 0.27, 0.00, 0.06
HSL	196°, 100%, 47%
HSV	196°, 100%, 94%
XYZ	31.2513, 37.3419, 87.9766
YIQ	130.6720, -125.4400, -17.4080

Conversions

Conversions Part 2

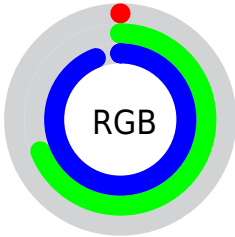
Format	Color
RYB	0, 102, 240
Decimal	45296
CIELab	67.53, -14.95, -42.26
CIELCh	68, 44.826, 250.513
Yxy	37.3419, 0.1996, 0.2385
Android (android.graphics.Color)	4278235376 (0xFF00B0F0)
YUV	130.6720, 53.8987, -114.5993
Hunter-Lab	61.1080, -15.6521, -42.5836

Details

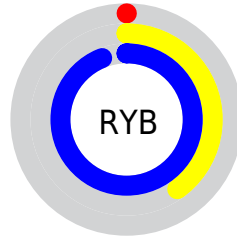
The Yxy color **37.3419, 0.1996, 0.2385** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **22.2064, 0.6065, 0.3566**, and the grayscale version is **22.4340, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.1844, 0.2351, 0.3012**, and **17.8760, 0.1941, 0.2188** is the 20% darker color. If you saturate the color by 10%, you get **37.3213, 0.1996, 0.2384**, and if you desaturate by 10%, it is **40.1087, 0.2039, 0.2484**.

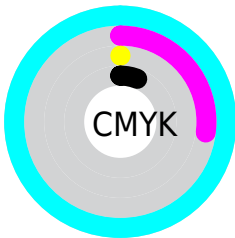
Distribution



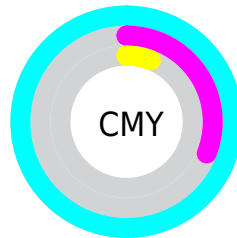
- Red (0%)
- Green (69%)
- Blue (94%)



- Red (0%)
- Yellow (40%)
- Blue (94%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (6%)





- Cyan (100%)
- Magenta (31%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3419, 0.1996, 0.2385 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 37.3419, 0.1996, 0.2385 by changing the saturation by 10% instead.


 37.3419, 0.1996,
0.2385


 37.3419, 0.1996,
0.2385


334.7884, 0.2547,
0.2847

 25.4723, 0.1867,
0.2271


 71.0983, 0.2190,
0.2553

 16.4293, 0.1708,
0.2127


 93.7539, 0.2265,
0.2616


 9.8284, 0.1509,
0.1941


 120.7737, 0.2329,
0.2669

 5.2854, 0.1256,
0.1695

 152.5420, 0.2384,
0.2715

 2.4156, 0.0934,
0.1364

 189.4432, 0.2433,
0.2754

 0.8339, 0.0475,
0.0927

231.8618, 0.2475,

 0.0000, 0.0000,

0.2789

0.0000

280.1820, 0.2513,
0.2820

■ 37.3419, 0.1996,
0.2385

■ 37.3419, 0.1996,
0.2385

■ 37.3213, 0.1996,
0.2384

■ 40.1087, 0.2039,
0.2484

■ 43.2354, 0.2099,
0.2585

■ 46.7992, 0.2180,
0.2686

■ 50.8460, 0.2280,
0.2786

■ 55.4147, 0.2397,
0.2884

■ 60.5396, 0.2528,
0.2977

■ 66.2513, 0.2671,
0.3065

■ 72.5781, 0.2820,
0.3147

■ 79.5461, 0.2974,
0.3222

Harmonies

Analogous

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



37.3419, 0.1961, 0.2780



37.3419, 0.1996, 0.2385



37.3419, 0.2289, 0.2251

Triad

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



37.3419, 0.1996, 0.2385



37.3419, 0.4126, 0.3070



37.3419, 0.3321, 0.4500

Complementary

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



37.3419, 0.1996, 0.2385



22.2064, 0.6065, 0.3566

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.



37.3419, 0.3941, 0.4442



37.3419, 0.1996, 0.2385



37.3419, 0.4453, 0.3572

Square

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



37.3419, 0.1996, 0.2385



37.3419, 0.3498, 0.2638



37.3419, 0.4369, 0.4068



37.3419, 0.2682, 0.4103

Rectangle

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



37.3419, 0.1996, 0.2385



37.3419, 0.2618, 0.2292



37.3419, 0.4369, 0.4068



37.3419, 0.3539, 0.4529

Sweetspot

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



37.3431, 0.1996, 0.2385



75.9269, 0.2668, 0.3064



62.6771, 0.2916, 0.5696



15.6409, 0.2607, 0.3027



0.0000, 0.0000, 0.0000



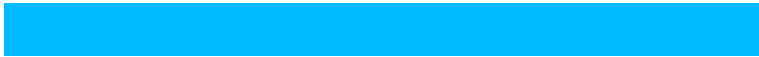
21.4041, 0.3127, 0.3290

Same Dimension

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



37.3431, 0.1996, 0.2385



42.7478, 0.1995, 0.2381



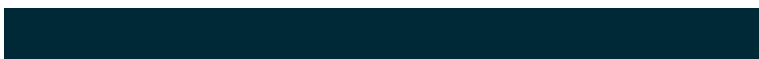
9.1333, 0.1565, 0.0834



17.1739, 0.2981, 0.3226



20.6655, 0.2000, 0.2400



1.8816, 0.2037, 0.2531

Inverse Universe

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



21.6595, 0.4038, 0.1999



24.8466, 0.4042, 0.2001



52.8123, 0.4685, 0.4662



15.9552, 0.3179, 0.3118



11.8795, 0.4023, 0.1990



1.0047, 0.3891, 0.1917

Previews

White Background



This preview shows how the Yxy color 37.3419, 0.1996, 0.2385 looks on a white background.

Color Contrast Check

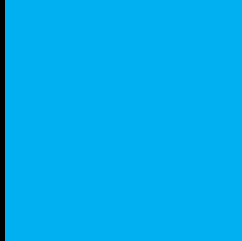
Large Text (above 18pt) WCAG AA × Fail

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 37.3419, 0.1996, 0.2385 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

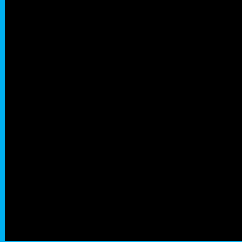
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.3419, 0.1996, 0.2385

Background



This preview shows how black text looks on a background with the Yxy color 37.3419, 0.1996, 0.2385.



This preview shows how white text looks on a background with the Yxy color 37.3419, 0.1996, 0.2385.

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

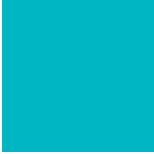
37.3419, 0.1996, 0.2385

Protanopia

36.9308, 0.2480, 0.2405

Deuteranopia

36.9009, 0.2306, 0.2239



Tritanopia

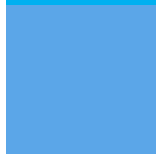
37.3960, 0.2189, 0.3080

Trichromacy



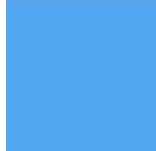
Original Color

37.3419, 0.1996, 0.2385



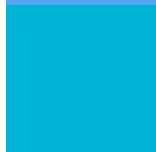
Protanomaly

35.3228, 0.2178, 0.2366



Deuteranomaly

35.8421, 0.2105, 0.2264



Tritanomaly

37.3457, 0.2115, 0.2813

Monochromacy



Original Color

37.3419, 0.1996, 0.2385



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

25.6467, 0.2390, 0.2870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3419, 0.1996, 0.2385 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, 176, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 240)  
}
```

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, 176, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 240) }
```

Border

The CSS property to change the border of an element to Yxy 37.3419, 0.1996, 0.2385 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, 176, 240) }
```

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

```
.border{ border-color:rgb(0, 176, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 176, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3419, 0.1996, 0.2385 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 240) }
```

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

```
.background{ background-color: rgb(0, 176,  
240) }
```

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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