

Converting Colors

$Y_{xy}(34.4771, 0.1741, 0.2265)$

Have a look what the booklet for
Yxy(34.4771, 0.1741, 0.2265)
contains.

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Color

Yxy(37.1916, 0.1979, 0.2325)

Conversions

Conversions Part 1

Format	Color
Hex	00AFF4
RGB	0, 175, 244
RGB Percent	0%, 69%, 96%
CMY	1.0000, 0.3137, 0.0430
CMYK	1.00, 0.28, 0.00, 0.04
HSL	197°, 100%, 48%
HSV	197°, 100%, 96%
XYZ	31.6569, 37.1916, 91.1154
YIQ	130.5410, -126.4490, -15.6410

Conversions

Conversions Part 2

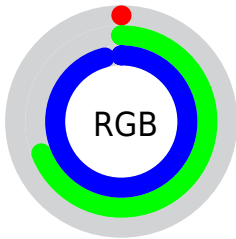
Format	Color
RYB	0, 102, 244
Decimal	45044
CIELab	67.42, -12.98, -44.64
CIElCh	67, 46.491, 253.783
Yxy	37.1916, 0.1979, 0.2325
Android (android.graphics.Color)	4278235124 (0xFF00AFF4)
YUV	130.5410, 55.9353, -114.4845
Hunter-Lab	60.9849, -14.0655, -45.8937

Details

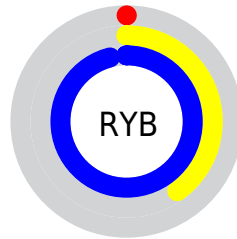
The Yxy color **37.1916, 0.1979, 0.2325** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **23.4953, 0.6032, 0.3593**, and the grayscale version is **22.3588, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1286, 0.2349, 0.2988**, and **17.7538, 0.1925, 0.2129** is the 20% darker color. If you saturate the color by 10%, you get **37.1958, 0.1979, 0.2325**, and if you desaturate by 10%, it is **40.1507, 0.2024, 0.2431**.

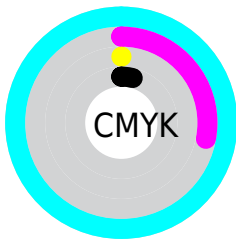
Distribution



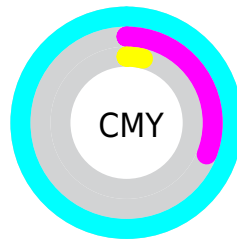
- Red (0%)
- Green (69%)
- Blue (96%)



- Red (0%)
- Yellow (40%)
- Blue (96%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (31%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.1916, 0.1979, 0.2325 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 37.1916, 0.1979, 0.2325 by changing the saturation by 10% instead.


 37.1916, 0.1979,
0.2325


 37.1916, 0.1979,
0.2325


334.1393, 0.2537,
0.2813


 25.3559, 0.1849,
0.2206


 70.8674, 0.2175,
0.2501


 16.3424, 0.1689,
0.2057


 93.4762, 0.2251,
0.2568


 9.7668, 0.1489,
0.1865


 120.4449, 0.2316,
0.2624

 5.2446, 0.1237,
0.1614

 152.1577, 0.2372,
0.2673

 2.3915, 0.0918,
0.1282

 188.9992, 0.2421,
0.2715

 0.8215, 0.0481,
0.0851

231.3537, 0.2464,

 0.0000, 0.0000,

0.2752

0.0000

279.6056, 0.2503,
0.2784

■ 37.1916, 0.1979,
0.2325

■ 37.1916, 0.1979,
0.2325

■ 37.1958, 0.1979,
0.2325

■ 40.1507, 0.2024,
0.2431

■ 43.4948, 0.2086,
0.2538

■ 47.3076, 0.2169,
0.2646

■ 51.6375, 0.2271,
0.2753

■ 56.5255, 0.2390,
0.2857

■ 62.0074, 0.2524,
0.2957

■ 68.1158, 0.2667,
0.3051

■ 74.8801, 0.2818,
0.3138

■ 82.3281, 0.2972,
0.3218

Harmonies

Analogous

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



37.1916, 0.1913, 0.2700



37.1916, 0.1979, 0.2325



37.1916, 0.2308, 0.2217

Triad

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



37.1916, 0.1979, 0.2325



37.1916, 0.4220, 0.3114



37.1916, 0.3249, 0.4529

Complementary

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



37.1916, 0.1979, 0.2325



23.4953, 0.6032, 0.3593

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.



37.1916, 0.3903, 0.4511



37.1916, 0.1979, 0.2325



37.1916, 0.4514, 0.3634

Square

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



37.1916, 0.1979, 0.2325



37.1916, 0.3590, 0.2659



37.1916, 0.4379, 0.4142



37.1916, 0.2598, 0.4068

Rectangle

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



37.1916, 0.1979, 0.2325



37.1916, 0.2664, 0.2276



37.1916, 0.4379, 0.4142



37.1916, 0.3476, 0.4575

Sweetspot

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



37.1958, 0.1979, 0.2325



75.2284, 0.2666, 0.3050



65.0975, 0.2916, 0.5699



15.4732, 0.2605, 0.3011



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.



37.1958, 0.1979, 0.2325



41.0374, 0.1979, 0.2323



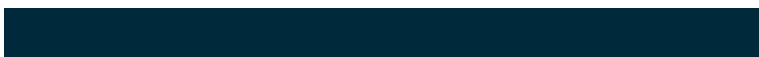
9.4532, 0.1564, 0.0831



17.9193, 0.2980, 0.3221



20.4645, 0.1984, 0.2342



1.9725, 0.2021, 0.2475

Inverse Universe

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



22.3326, 0.4100, 0.2032



24.6739, 0.4103, 0.2034



54.8135, 0.4686, 0.4661



16.6837, 0.3181, 0.3122



12.1653, 0.4082, 0.2023



1.0868, 0.3947, 0.1948

Previews

White Background



This preview shows how the Yxy color 37.1916, 0.1979, 0.2325 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 37.1916, 0.1979, 0.2325 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

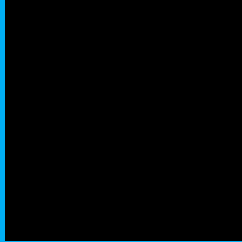
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

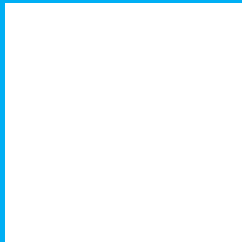
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.1916, 0.1979, 0.2325

Background



This preview shows how black text looks on a background with the Yxy color 37.1916, 0.1979, 0.2325.



This preview shows how white text looks on a background with the Yxy color 37.1916, 0.1979, 0.2325.

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

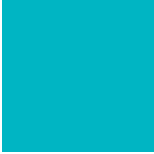
37.1916, 0.1979, 0.2325

Protanopia

36.8914, 0.2437, 0.2358

Deuteranopia

36.7670, 0.2258, 0.2192



Tritanopia

36.9879, 0.2184, 0.3063

Trichromacy



Original Color

37.1916, 0.1979, 0.2325

Protanomaly

35.4524, 0.2153, 0.2320

Deuteranomaly

35.9110, 0.2076, 0.2219

Tritanomaly

37.0443, 0.2103, 0.2769

Monochromacy



Original Color

37.1916, 0.1979, 0.2325

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

25.6850, 0.2383, 0.2854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1916, 0.1979, 0.2325 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, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 175, 244)  
}
```

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, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 175, 244) }
```

Border

The CSS property to change the border of an element to Yxy 37.1916, 0.1979, 0.2325 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, 244) }
```

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

```
.border{ border-color:rgb(0, 175, 244) }
```

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, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 175, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 175, 244);  
box-shadow:4px 4px 4px 4px rgb(0, 175,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1916, 0.1979, 0.2325 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, 244) }
```

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

```
.background{ background-color: rgb(0, 175,  
244) }
```

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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