

Converting Colors

$Y_{xy}(33.9723, 0.1710, 0.2301)$

Have a look what the booklet for
Yxy(33.9723, 0.1710, 0.2301)
contains.

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Color

Yxy(37.0108, 0.1989, 0.2358)

Conversions

Conversions Part 1

Format	Color
Hex	01AFF1
RGB	1, 175, 241
RGB Percent	0%, 69%, 95%
CMY	0.9954, 0.3138, 0.0548
CMYK	1.00, 0.27, 0.00, 0.05
HSL	197°, 99%, 47%
HSV	197°, 100%, 95%
XYZ	31.2190, 37.0108, 88.7286
YIQ	130.4980, -124.8900, -16.3620

Conversions

Conversions Part 2

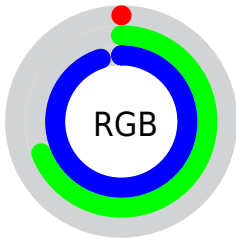
Format	Color
RYB	1, 102, 241
Decimal	110577
CIELab	67.29, -14.01, -43.21
CIELCh	67, 45.427, 252.043
Yxy	37.0108, 0.1989, 0.2358
Android (android.graphics.Color)	4278300657 (0xFF01AFF1)
YUV	130.4980, 54.4775, -113.5697
Hunter-Lab	60.8365, -14.8643, -43.8875

Details

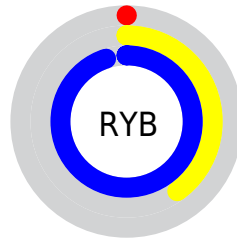
The Yxy color **37.0108, 0.1989, 0.2358** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **22.7438, 0.6037, 0.3584**, and the grayscale version is **22.3599, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.1286, 0.2349, 0.2988**, and **17.6687, 0.1932, 0.2155** is the 20% darker color. If you saturate the color by 10%, you get **36.8800, 0.1987, 0.2353**, and if you desaturate by 10%, it is **39.8610, 0.2033, 0.2461**.

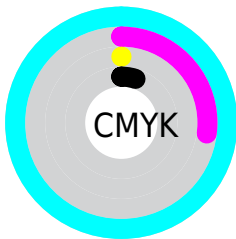
Distribution



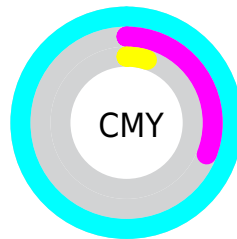
- Red (0%)
- Green (69%)
- Blue (95%)



- Red (0%)
- Yellow (40%)
- Blue (95%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (5%)




- Cyan (100%)
- Magenta (31%)
- Yellow (5%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.0108, 0.1989, 0.2358 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 37.0108, 0.1989, 0.2358 by changing the saturation by 10% instead.


 37.0108, 0.1989,
0.2358


 37.0108, 0.1989,
0.2358


333.3573, 0.2543,
0.2832

 25.2159, 0.1860,
0.2242


 70.5894, 0.2185,
0.2530


 16.2379, 0.1700,
0.2095


 93.1418, 0.2260,
0.2595

 9.6927, 0.1499,
0.1905


 120.0489, 0.2324,
0.2649

 5.1957, 0.1245,
0.1656

 151.6950, 0.2380,
0.2697

 2.3625, 0.0923,
0.1322

 188.4644, 0.2429,
0.2737

 0.8065, 0.0466,
0.0885

230.7417, 0.2471,

 0.0000, 0.0000,

0.2773

0.0000

278.9112, 0.2509,
0.2804

■ 37.0108, 0.1989,
0.2358

■ 37.0108, 0.1989,
0.2358

■ 36.8800, 0.1987,
0.2353

■ 39.8610, 0.2033,
0.2461

■ 43.0882, 0.2096,
0.2565

■ 46.7665, 0.2178,
0.2670

■ 50.9422, 0.2280,
0.2773

■ 55.6545, 0.2399,
0.2874

■ 60.9379, 0.2532,
0.2971

■ 66.8237, 0.2676,
0.3061

■ 73.3403, 0.2826,
0.3146

■ 80.5142, 0.2980,
0.3223

Harmonies

Analogous

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



37.0108, 0.1940, 0.2744



37.0108, 0.1989, 0.2358



37.0108, 0.2298, 0.2236

Triad

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



37.0108, 0.1989, 0.2358



37.0108, 0.4168, 0.3090



37.0108, 0.3288, 0.4512

Complementary

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



37.0108, 0.1989, 0.2358



22.7438, 0.6037, 0.3584

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.



37.0108, 0.3923, 0.4473



37.0108, 0.1989, 0.2358



37.0108, 0.4480, 0.3600

Square

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



37.0108, 0.1989, 0.2358



37.0108, 0.3540, 0.2648



37.0108, 0.4373, 0.4102



37.0108, 0.2643, 0.4086

Rectangle

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



37.0108, 0.1989, 0.2358



37.0108, 0.2640, 0.2285



37.0108, 0.4373, 0.4102



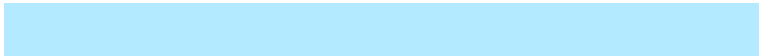
37.0108, 0.3510, 0.4549

Sweetspot

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



37.0120, 0.1989, 0.2358



75.5550, 0.2667, 0.3056



63.3102, 0.2915, 0.5690



15.5516, 0.2606, 0.3019



0.0000, 0.0000, 0.0000



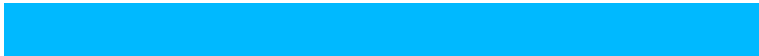
21.4041, 0.3127, 0.3290

Same Dimension

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



37.0120, 0.1989, 0.2358



41.8325, 0.1986, 0.2350



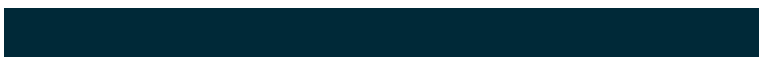
9.2983, 0.1567, 0.0839



17.1502, 0.2981, 0.3223



20.2335, 0.1992, 0.2370



1.8486, 0.2029, 0.2506

Inverse Universe

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



21.8231, 0.4066, 0.2015



24.7542, 0.4074, 0.2018



53.4248, 0.4682, 0.4662



15.9528, 0.3180, 0.3120



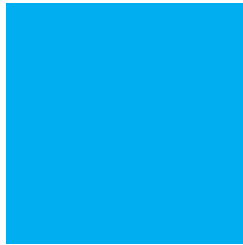
11.8359, 0.4054, 0.2007



1.0013, 0.3917, 0.1931

Previews

White Background



This preview shows how the Yxy color 37.0108, 0.1989, 0.2358 looks on a white background.

Color Contrast Check

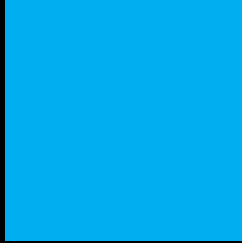
Large Text (above 18pt) WCAG AA × Fail

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 37.0108, 0.1989, 0.2358 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

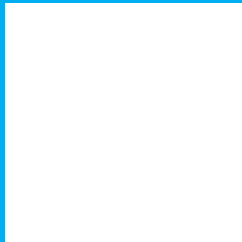
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.0108, 0.1989, 0.2358

Background



This preview shows how black text looks on a background with the Yxy color 37.0108, 0.1989, 0.2358.



This preview shows how white text looks on a background with the Yxy color 37.0108, 0.1989, 0.2358.

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

37.0173, 0.1989, 0.2358

Protanopia

36.4615, 0.2458, 0.2378

Deuteranopia

36.7323, 0.2283, 0.2224



Tritanopia

36.9879, 0.2184, 0.3063

Trichromacy



Original Color

37.0173, 0.1989, 0.2358

Protanomaly

34.9671, 0.2166, 0.2339

Deuteranomaly

35.8140, 0.2094, 0.2251

Tritanomaly

36.9937, 0.2106, 0.2783

Monochromacy



Original Color

37.0173, 0.1989, 0.2358

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

25.6925, 0.2396, 0.2871

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.0108, 0.1989, 0.2358 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(1, 175, 241)` looks like.

```
.text, #text, p{  
    color:rgb(1, 175, 241)  
}
```

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(1, 175, 241) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 175, 241) }
```

Border

The CSS property to change the border of an element to Yxy 37.0108, 0.1989, 0.2358 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(1, 175, 241) }
```

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

```
.border{ border-color:rgb(1, 175, 241) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 175, 241)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 175, 241); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 175, 241);  
box-shadow:4px 4px 4px 4px rgb(1, 175,  
241) }
```


Background

The CSS property to change the background color of an element to Yxy 37.0108, 0.1989, 0.2358 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 175, 241) }
```

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

```
.background{ background-color: rgb(1, 175,  
241) }
```

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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