

Converting Colors

$Y_{xy}(36.5615, 0.1998, 0.2393)$

Have a look what the booklet for
Yxy(36.5615, 0.1998, 0.2393)
contains.

Yxy(36.3865, 0.1997, 0.2388)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.3865, 0.1997, 0.2388)

Conversions

Conversions Part 1

Format	Color
Hex	01AEED
RGB	1, 174, 237
RGB Percent	0%, 68%, 93%
CMY	0.9980, 0.3177, 0.0705
CMYK	1.00, 0.27, 0.00, 0.07
HSL	196°, 100%, 47%
HSV	196°, 100%, 93%
XYZ	30.4287, 36.3865, 85.5570
YIQ	129.4550, -123.3310, -17.0830

Conversions

Conversions Part 2

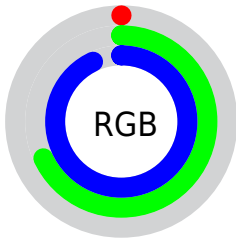
Format	Color
RYB	1, 101, 237
Decimal	110317
CIELab	66.81, -14.91, -41.77
CIELCh	67, 44.355, 250.356
Yxy	36.3865, 0.1997, 0.2388
Android (android.graphics.Color)	4278300397 (0xFF01AEED)
YUV	129.4550, 53.0197, -112.6550
Hunter-Lab	60.3212, -15.5187, -41.8695

Details

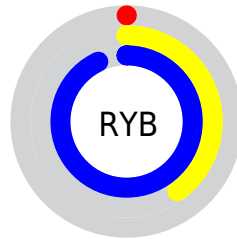
The Yxy color **36.3865, 0.1997, 0.2388** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **21.6243, 0.6061, 0.3567**, and the grayscale version is **21.9080, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.5098, 0.2343, 0.2975**, and **17.2553, 0.1942, 0.2190** is the 20% darker color. If you saturate the color by 10%, you get **36.3325, 0.1996, 0.2386**, and if you desaturate by 10%, it is **39.0794, 0.2040, 0.2487**.

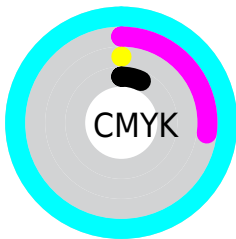
Distribution



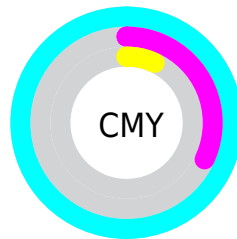
- Red (0%)
- Green (68%)
- Blue (93%)



- Red (0%)
- Yellow (40%)
- Blue (93%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (7%)




- Cyan (100%)
- Magenta (32%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.3865, 0.1997, 0.2388 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 36.3865, 0.1997, 0.2388 by changing the saturation by 10% instead.


 36.3865, 0.1997,
0.2388


 36.3865, 0.1997,
0.2388


330.6467, 0.2550,
0.2850


 24.7328, 0.1867,
0.2273


 69.6282, 0.2193,
0.2556

 15.8781, 0.1707,
0.2128


 91.9850, 0.2268,
0.2620

 9.4380, 0.1505,
0.1940


 118.6784, 0.2332,
0.2673

 5.0279, 0.1247,
0.1690

 150.0927, 0.2387,
0.2719

 2.2637, 0.0919,
0.1351

 186.6122, 0.2436,
0.2758

 0.7544, 0.0422,
0.0901

228.6215, 0.2478,

 0.0000, 0.0000,

0.2793

0.0000

276.5049, 0.2516,
0.2823

■ 36.3865, 0.1997,
0.2388

■ 36.3865, 0.1997,
0.2388

■ 36.3325, 0.1996,
0.2386

■ 39.0794, 0.2040,
0.2487

■ 42.1234, 0.2101,
0.2588

■ 45.5925, 0.2181,
0.2689

■ 49.5310, 0.2282,
0.2789

■ 53.9768, 0.2399,
0.2886

■ 58.9627, 0.2530,
0.2979

■ 64.5188, 0.2673,
0.3067

■ 70.6723, 0.2822,
0.3148

■ 77.4484, 0.2976,
0.3223

Harmonies

Analogous

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



36.3865, 0.1963, 0.2784



36.3865, 0.1997, 0.2388



36.3865, 0.2288, 0.2253

Triad

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



36.3865, 0.1997, 0.2388



36.3865, 0.4121, 0.3068



36.3865, 0.3324, 0.4498

Complementary

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



36.3865, 0.1997, 0.2388



21.6243, 0.6061, 0.3567

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.



36.3865, 0.3943, 0.4439



36.3865, 0.1997, 0.2388



36.3865, 0.4450, 0.3569

Square

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



36.3865, 0.1997, 0.2388



36.3865, 0.3494, 0.2637



36.3865, 0.4368, 0.4065



36.3865, 0.2686, 0.4104

Rectangle

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



36.3865, 0.1997, 0.2388



36.3865, 0.2616, 0.2293



36.3865, 0.4368, 0.4065



36.3865, 0.3541, 0.4526

Sweetspot

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



36.3877, 0.1997, 0.2388



75.9395, 0.2668, 0.3064



60.9073, 0.2925, 0.5727



15.6440, 0.2607, 0.3027



0.0000, 0.0000, 0.0000



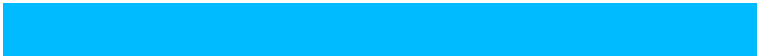
21.4041, 0.3127, 0.3290

Same Dimension

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



36.3877, 0.1997, 0.2388



42.7789, 0.1995, 0.2382



9.3126, 0.1575, 0.0868



16.4032, 0.2981, 0.3226



20.0587, 0.2001, 0.2402



1.7316, 0.2039, 0.2540

Inverse Universe

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



21.0751, 0.4035, 0.1997



24.8497, 0.4041, 0.2000



49.8079, 0.4725, 0.4629



15.2413, 0.3179, 0.3119



11.5177, 0.4021, 0.1989



0.9202, 0.3883, 0.1913

Previews

White Background



This preview shows how the Yxy color 36.3865, 0.1997, 0.2388 looks on a white background.

Color Contrast Check

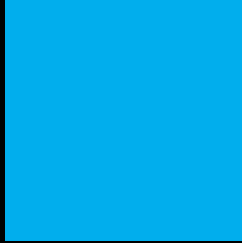
Large Text (above 18pt) WCAG AA × Fail

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 36.3865, 0.1997, 0.2388 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

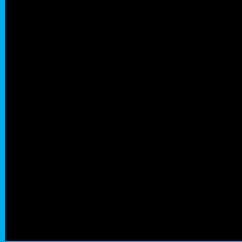
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.3865, 0.1997, 0.2388

Background



This preview shows how black text looks on a background with the Yxy color 36.3865, 0.1997, 0.2388.



This preview shows how white text looks on a background with the Yxy color 36.3865, 0.1997, 0.2388.

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

36.3930, 0.1997, 0.2388

Protanopia

35.8952, 0.2480, 0.2408

Deuteranopia

36.2166, 0.2306, 0.2253



Tritanopia

36.4928, 0.2188, 0.3078

Trichromacy



Original Color

36.3930, 0.1997, 0.2388



Protanomaly

34.3817, 0.2180, 0.2369



Deuteranomaly

35.2099, 0.2105, 0.2279



Tritanomaly

36.4442, 0.2113, 0.2808

Monochromacy



Original Color

36.3930, 0.1997, 0.2388



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

24.8718, 0.2395, 0.2882

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.3865, 0.1997, 0.2388 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, 174, 237)` looks like.

```
.text, #text, p{  
    color:rgb(1, 174, 237)  
}
```

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, 174, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 174, 237) }
```

Border

The CSS property to change the border of an element to Yxy 36.3865, 0.1997, 0.2388 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, 174, 237) }
```

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

```
.border{ border-color:rgb(1, 174, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 174, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 174, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 174, 237);  
box-shadow:4px 4px 4px 4px rgb(1, 174,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 36.3865, 0.1997, 0.2388 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 174, 237) }
```

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

```
.background{ background-color: rgb(1, 174,  
237) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor