

Converting Colors

$Y_{xy}(33.2875, 0.1595, 0.2341)$

Have a look what the booklet for
Yxy(33.2875, 0.1595, 0.2341)
contains.

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Color

Yxy(37.6173, 0.2006, 0.2423)

Conversions

Conversions Part 1

Format	Color
Hex	00B1EE
RGB	0, 177, 238
RGB Percent	0%, 69%, 93%
CMY	1.0000, 0.3058, 0.0668
CMYK	1.00, 0.26, 0.00, 0.07
HSL	195°, 100%, 47%
HSV	195°, 100%, 93%
XYZ	31.1433, 37.6173, 86.4903
YIQ	131.0310, -125.0730, -18.5530

Conversions

Conversions Part 2

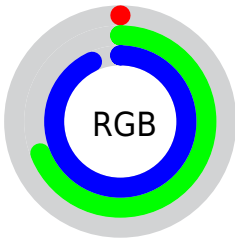
Format	Color
RYB	0, 102, 238
Decimal	45550
CIELab	67.74, -16.23, -40.85
CIELCh	68, 43.957, 248.326
Yxy	37.6173, 0.2006, 0.2423
Android (android.graphics.Color)	4278235630 (0xFF00B1EE)
YUV	131.0310, 52.7357, -114.9142
Hunter-Lab	61.3329, -16.6948, -40.6763

Details

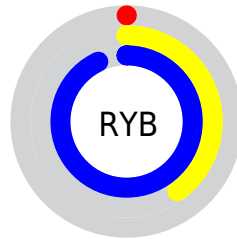
The Yxy color **37.6173, 0.2006, 0.2423** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **21.5062, 0.6089, 0.3547**, and the grayscale version is **22.5540, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.7490, 0.2353, 0.3025**, and **17.7927, 0.1949, 0.2216** is the 20% darker color. If you saturate the color by 10%, you get **37.6241, 0.2007, 0.2423**, and if you desaturate by 10%, it is **40.2784, 0.2048, 0.2518**.

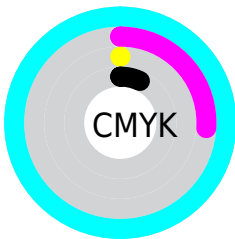
Distribution



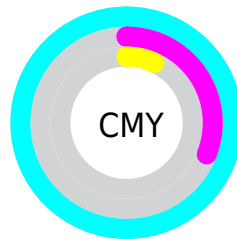
- Red (0%)
- Green (69%)
- Blue (93%)



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



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (7%)




- Cyan (100%)
- Magenta (31%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.6173, 0.2006, 0.2423 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 37.6173, 0.2006, 0.2423 by changing the saturation by 10% instead.

 37.6173, 0.2006,
0.2423


 37.6173, 0.2006,
0.2423


335.9754, 0.2552,
0.2867


 25.6858, 0.1878,
0.2313


 71.5212, 0.2199,
0.2585

 16.5887, 0.1720,
0.2173


 94.2623, 0.2273,
0.2646


 9.9417, 0.1522,
0.1991


 121.3755, 0.2336,
0.2697

 5.3603, 0.1269,
0.1750

 153.2451, 0.2391,
0.2741

 2.4602, 0.0947,
0.1421

 190.2555, 0.2439,
0.2779

 0.8566, 0.0479,
0.0983

232.7911, 0.2481,

 0.0000, 0.0000,

0.2812

0.0000

281.2363, 0.2518,
0.2841

■ 37.6173, 0.2006,
0.2423

■ 37.6173, 0.2006,
0.2423

■ 37.6241, 0.2007,
0.2423

■ 40.2784, 0.2048,
0.2518

■ 43.2768, 0.2107,
0.2614

■ 46.6945, 0.2185,
0.2711

■ 50.5765, 0.2284,
0.2807

■ 54.9607, 0.2399,
0.2900

■ 59.8806, 0.2529,
0.2989

■ 65.3661, 0.2671,
0.3074

■ 71.4446, 0.2819,
0.3152

■ 78.1417, 0.2973,
0.3225

Harmonies

Analogous

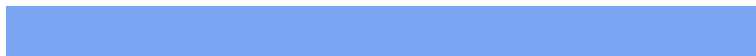
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



37.6173, 0.1991, 0.2831



37.6173, 0.2006, 0.2423



37.6173, 0.2276, 0.2272

Triad

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



37.6173, 0.2006, 0.2423



37.6173, 0.4066, 0.3041



37.6173, 0.3366, 0.4482

Complementary

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



37.6173, 0.2006, 0.2423



21.5062, 0.6089, 0.3547

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.



37.6173, 0.3965, 0.4400



37.6173, 0.2006, 0.2423



37.6173, 0.4415, 0.3532

Square

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



37.6173, 0.2006, 0.2423



37.6173, 0.3441, 0.2625



37.6173, 0.4363, 0.4022



37.6173, 0.2735, 0.4125

Rectangle

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



37.6173, 0.2006, 0.2423



37.6173, 0.2589, 0.2302



37.6173, 0.4363, 0.4022



37.6173, 0.3578, 0.4500

Sweetspot

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



37.6241, 0.2007, 0.2423



76.3930, 0.2669, 0.3073



61.4569, 0.2925, 0.5731



15.7529, 0.2608, 0.3038



0.0000, 0.0000, 0.0000



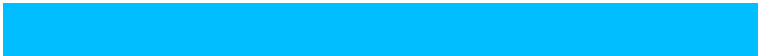
21.4041, 0.3127, 0.3290

Same Dimension

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



37.6241, 0.2007, 0.2423



43.9097, 0.2006, 0.2420



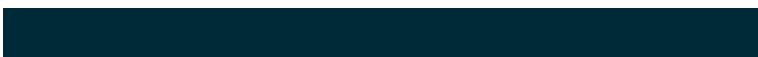
9.3507, 0.1574, 0.0865



17.2035, 0.2981, 0.3228



21.2137, 0.2011, 0.2438



1.9234, 0.2046, 0.2564

Inverse Universe

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



21.3484, 0.4000, 0.1977



24.9638, 0.4003, 0.1979



50.2067, 0.4727, 0.4629



15.9582, 0.3177, 0.3116



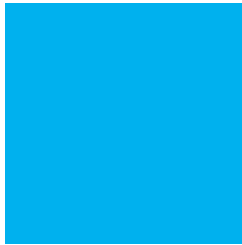
11.9349, 0.3984, 0.1969



1.0089, 0.3860, 0.1900

Previews

White Background



This preview shows how the Yxy color 37.6173, 0.2006, 0.2423 looks on a white background.

Color Contrast Check

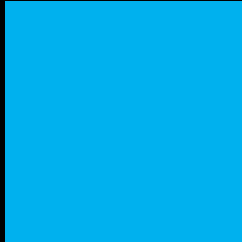
Large Text (above 18pt) WCAG AA × Fail

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 37.6173, 0.2006, 0.2423 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 37.6173, 0.2006, 0.2423

Background



This preview shows how black text looks on a background with the Yxy color 37.6173, 0.2006, 0.2423.

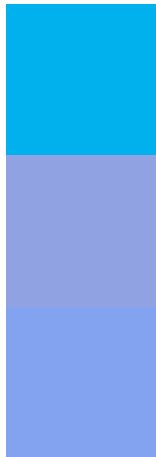


This preview shows how white text looks on a background with the Yxy color 37.6173, 0.2006, 0.2423.

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

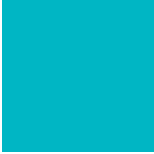
37.6173, 0.2006, 0.2423

Protanopia

37.3514, 0.2508, 0.2444

Deuteranopia

37.3706, 0.2336, 0.2277



Tritanopia

37.4414, 0.2185, 0.3065

Trichromacy



Original Color

37.6173, 0.2006, 0.2423

Protanomaly

35.6259, 0.2195, 0.2404

Deuteranomaly

36.1355, 0.2120, 0.2300

Tritanomaly

37.3457, 0.2115, 0.2813

Monochromacy



Original Color

37.6173, 0.2006, 0.2423

Achromatopsia

22.6966, 0.3127, 0.3290

Achromatomaly

25.9211, 0.2400, 0.2905

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.6173, 0.2006, 0.2423 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, 177, 238)` looks like.

```
.text, #text, p{  
    color:rgb(0, 177, 238)  
}
```

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, 177, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 177, 238) }
```

Border

The CSS property to change the border of an element to Yxy 37.6173, 0.2006, 0.2423 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, 177, 238) }
```

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

```
.border{ border-color:rgb(0, 177, 238) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 177, 238)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 177, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 177, 238);  
box-shadow:4px 4px 4px 4px rgb(0, 177,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 37.6173, 0.2006, 0.2423 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 177, 238) }
```

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

```
.background{ background-color: rgb(0, 177,  
238) }
```

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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