

Converting Colors

$Yxy(37.9597, 0.2013, 0.2447)$

Have a look what the booklet for
Yxy(37.9597, 0.2013, 0.2447)
contains.

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Color

Yxy(37.9552, 0.2014, 0.2449)

Conversions

Conversions Part 1

Format	Color
Hex	01B2ED
RGB	1, 178, 237
RGB Percent	0%, 70%, 93%
CMY	0.9976, 0.3020, 0.0705
CMYK	1.00, 0.25, 0.00, 0.07
HSL	195°, 99%, 47%
HSV	195°, 100%, 93%
XYZ	31.2135, 37.9552, 85.8138
YIQ	131.8030, -124.4310, -19.1750

Conversions

Conversions Part 2

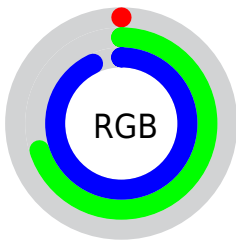
Format	Color
R _{YB}	1, 102, 237
Decimal	111341
CIE Lab	67.99, -17.05, -39.93
CIE LCh	68, 43.423, 246.876
Yxy	37.9552, 0.2014, 0.2449
Android (android.graphics.Color)	4278301421 (0xFF01B2ED)
YUV	131.8030, 51.8621, -114.7142
Hunter-Lab	61.6078, -17.3770, -39.4599

Details

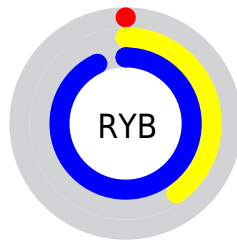
The Yxy color **37.9552, 0.2014, 0.2449** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **21.2037, 0.6097, 0.3539**, and the grayscale version is **22.7992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.3168, 0.2356, 0.3037**, and **18.0034, 0.1958, 0.2249** is the 20% darker color. If you saturate the color by 10%, you get **37.8907, 0.2013, 0.2447**, and if you desaturate by 10%, it is **40.5567, 0.2055, 0.2541**.

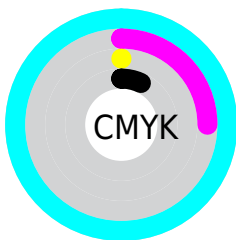
Distribution



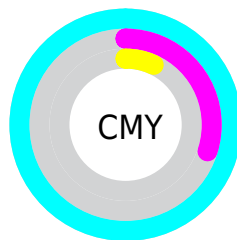
- Red (0%)
- Green (70%)
- Blue (93%)



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



- Cyan (100%)
- Magenta (25%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (30%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.9552, 0.2014, 0.2449 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 37.9552, 0.2014, 0.2449 by changing the saturation by 10% instead.

 37.9552, 0.2014,
0.2449


 37.9552, 0.2014,
0.2449


337.4278, 0.2556,
0.2881


 25.9479, 0.1887,
0.2341


 72.0395, 0.2205,
0.2607


 16.7847, 0.1730,
0.2205


 94.8852, 0.2279,
0.2666


 10.0811, 0.1533,
0.2027


 122.1126, 0.2342,
0.2716

 5.4528, 0.1282,
0.1789

 154.1061, 0.2396,
0.2758

 2.5153, 0.0960,
0.1464

 191.2499, 0.2444,
0.2795

 0.8843, 0.0492,
0.1026

233.9285, 0.2485,

 0.0000, 0.0000,

0.2827

0.0000

282.5263, 0.2523,
0.2856

■ 37.9552, 0.2014,
0.2449

■ 37.9552, 0.2014,
0.2449

■ 37.8907, 0.2013,
0.2447

■ 40.5567, 0.2055,
0.2541

■ 43.4964, 0.2113,
0.2635

■ 46.8476, 0.2192,
0.2729

■ 50.6545, 0.2289,
0.2822

■ 54.9544, 0.2405,
0.2913

■ 59.7802, 0.2534,
0.3000

■ 65.1614, 0.2675,
0.3082

■ 71.1250, 0.2824,
0.3158

■ 77.6961, 0.2977,
0.3228

Harmonies

Analogous

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



37.9552, 0.2012, 0.2864



37.9552, 0.2014, 0.2449



37.9552, 0.2269, 0.2288

Triad

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



37.9552, 0.2014, 0.2449



37.9552, 0.4027, 0.3023



37.9552, 0.3395, 0.4469

Complementary

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



37.9552, 0.2014, 0.2449



21.2037, 0.6097, 0.3539

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.



37.9552, 0.3979, 0.4372



37.9552, 0.2014, 0.2449



37.9552, 0.4388, 0.3507

Square

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



37.9552, 0.2014, 0.2449



37.9552, 0.3404, 0.2617



37.9552, 0.4356, 0.3992



37.9552, 0.2769, 0.4137

Rectangle

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



37.9552, 0.2014, 0.2449



37.9552, 0.2571, 0.2309



37.9552, 0.4356, 0.3992



37.9552, 0.3602, 0.4480

Sweetspot

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



37.9565, 0.2014, 0.2449



76.6767, 0.2670, 0.3079



60.8655, 0.2933, 0.5758



15.8211, 0.2609, 0.3044



0.0000, 0.0000, 0.0000



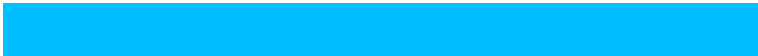
21.4041, 0.3127, 0.3290

Same Dimension

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



37.9565, 0.2014, 0.2449



44.6250, 0.2012, 0.2443



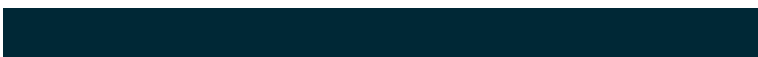
9.7480, 0.1585, 0.0903



16.4478, 0.2981, 0.3230



20.9024, 0.2017, 0.2462



1.7918, 0.2053, 0.2590

Inverse Universe

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



21.2349, 0.3973, 0.1963



25.0361, 0.3979, 0.1966



48.2724, 0.4767, 0.4596



15.2458, 0.3176, 0.3115



11.6029, 0.3960, 0.1955



0.9263, 0.3834, 0.1886

Previews

White Background



This preview shows how the Yxy color 37.9552, 0.2014, 0.2449 looks on a white background.

Color Contrast Check

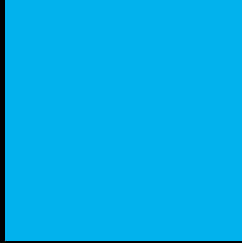
Large Text (above 18pt) WCAG AA × Fail

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 37.9552, 0.2014, 0.2449 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 37.9552, 0.2014, 0.2449

Background



This preview shows how black text looks on a background with the Yxy color 37.9552, 0.2014, 0.2449.

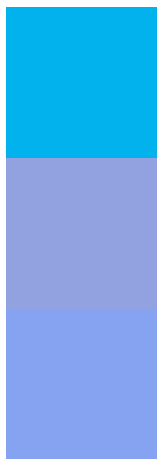


This preview shows how white text looks on a background with the Yxy color 37.9552, 0.2014, 0.2449.

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

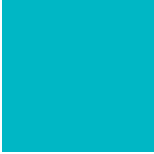
37.9617, 0.2014, 0.2449

Protanopia

37.3879, 0.2521, 0.2457

Deuteranopia

37.4722, 0.2353, 0.2290



Tritanopia

37.8982, 0.2185, 0.3066

Trichromacy



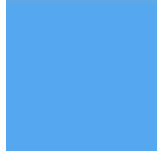
Original Color

37.9617, 0.2014, 0.2449



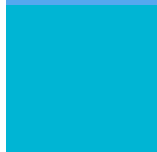
Protanomaly

35.9896, 0.2207, 0.2432



Deuteranomaly

36.1686, 0.2131, 0.2313



Tritanomaly

37.8012, 0.2115, 0.2815

Monochromacy



Original Color

37.9617, 0.2014, 0.2449



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

26.2820, 0.2409, 0.2923

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.9552, 0.2014, 0.2449 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, 178, 237)` looks like.

```
.text, #text, p{  
    color:rgb(1, 178, 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, 178, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 178, 237) }
```

Border

The CSS property to change the border of an element to Yxy 37.9552, 0.2014, 0.2449 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, 178, 237) }
```

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

```
.border{ border-color:rgb(1, 178, 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, 178, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 178, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 178, 237);  
box-shadow:4px 4px 4px 4px rgb(1, 178,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 37.9552, 0.2014, 0.2449 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 178, 237) }
```

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

```
.background{ background-color: rgb(1, 178,  
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](#).

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