

Converting Colors

$Y_{xy}(36.2979, 0.1977, 0.2317)$

Have a look what the booklet for
Yxy(36.2979, 0.1977, 0.2317)
contains.

Yxy(36.2979, 0.1977, 0.2317)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(36.2979, 0.1977, 0.2317)

Conversions

Conversions Part 1

Format	Color
Hex	00ADF2
RGB	0, 173, 242
RGB Percent	0%, 68%, 95%
CMY	1.0000, 0.3216, 0.0509
CMYK	1.00, 0.29, 0.00, 0.05
HSL	197°, 100%, 47%
HSV	197°, 100%, 95%
XYZ	30.9715, 36.2979, 89.3896
YIQ	129.1390, -125.2570, -15.2170

Conversions

Conversions Part 2

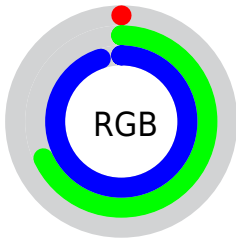
Format	Color
R _{YB}	0, 101, 242
Decimal	44530
CIE Lab	66.75, -12.60, -44.60
CIE LCh	67, 46.350, 254.227
Yxy	36.2979, 0.1977, 0.2317
Android (android.graphics.Color)	4278234610 (0xFF00ADF2)
YUV	129.1390, 55.6405, -113.2549
Hunter-Lab	60.2477, -13.6722, -45.7952

Details

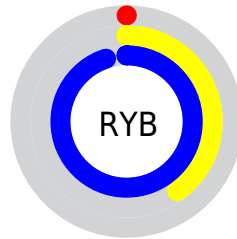
The Yxy color **36.2979, 0.1977, 0.2317** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **23.1380, 0.6025, 0.3598**, and the grayscale version is **21.8394, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.0218, 0.2344, 0.2963**, and **17.1775, 0.1921, 0.2116** is the 20% darker color. If you saturate the color by 10%, you get **36.2992, 0.1977, 0.2317**, and if you desaturate by 10%, it is **39.2115, 0.2022, 0.2424**.

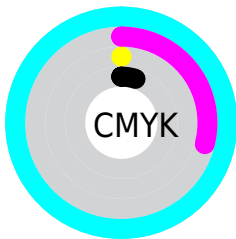
Distribution



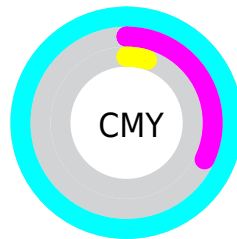
- Red (0%)
- Green (68%)
- Blue (95%)



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



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (5%)




- Cyan (100%)
- Magenta (32%)
- Yellow (5%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.2979, 0.1977, 0.2317 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 36.2979, 0.1977, 0.2317 by changing the saturation by 10% instead.

 36.2979, 0.1977,
0.2317


 36.2979, 0.1977,
0.2317


330.2607, 0.2538,
0.2811

 24.6644, 0.1846,
0.2196


 69.4916, 0.2175,
0.2495

 15.8272, 0.1684,
0.2045


 91.8206, 0.2251,
0.2563

 9.4019, 0.1482,
0.1850


 118.4835, 0.2317,
0.2620

 5.0043, 0.1225,
0.1594

 149.8647, 0.2373,
0.2669

 2.2498, 0.0902,
0.1256

 186.3486, 0.2422,
0.2712

 0.7469, 0.0439,
0.0815

228.3197, 0.2465,

 0.0000, 0.0000,

0.2749

0.0000

276.1623, 0.2504,
0.2782

■ 36.2979, 0.1977,
0.2317

■ 36.2979, 0.1977,
0.2317

■ 36.2992, 0.1977,
0.2317

■ 39.2115, 0.2022,
0.2424

■ 42.5074, 0.2085,
0.2532

■ 46.2653, 0.2168,
0.2641

■ 50.5327, 0.2270,
0.2749

■ 55.3495, 0.2390,
0.2854

■ 60.7513, 0.2523,
0.2954

■ 66.7696, 0.2667,
0.3049

■ 73.4337, 0.2818,
0.3136

■ 80.7705, 0.2972,
0.3217

Harmonies

Analogous

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



36.2979, 0.1906, 0.2689



36.2979, 0.1977, 0.2317



36.2979, 0.2311, 0.2212

Triad

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



36.2979, 0.1977, 0.2317



36.2979, 0.4233, 0.3120



36.2979, 0.3239, 0.4532

Complementary

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



36.2979, 0.1977, 0.2317



23.1380, 0.6025, 0.3598

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.



36.2979, 0.3898, 0.4520



36.2979, 0.1977, 0.2317



36.2979, 0.4522, 0.3643

Square

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



36.2979, 0.1977, 0.2317



36.2979, 0.3603, 0.2662



36.2979, 0.4380, 0.4152



36.2979, 0.2586, 0.4062

Rectangle

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



36.2979, 0.1977, 0.2317



36.2979, 0.2671, 0.2274



36.2979, 0.4380, 0.4152



36.2979, 0.3467, 0.4581

Sweetspot

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



36.2992, 0.1977, 0.2317



75.1268, 0.2666, 0.3048



63.9378, 0.2906, 0.5662



15.4489, 0.2604, 0.3009



0.0000, 0.0000, 0.0000



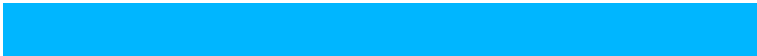
21.4041, 0.3127, 0.3290

Same Dimension

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



36.2992, 0.1977, 0.2317



40.7918, 0.1976, 0.2314



8.9069, 0.1556, 0.0802



17.1228, 0.2981, 0.3221



19.7420, 0.1982, 0.2335



1.8110, 0.2021, 0.2476

Inverse Universe

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



21.8972, 0.4109, 0.2037



24.6491, 0.4112, 0.2039



55.5247, 0.4645, 0.4694



15.9501, 0.3182, 0.3123



11.7863, 0.4090, 0.2027



0.9975, 0.3947, 0.1948

Previews

White Background



This preview shows how the Yxy color 36.2979, 0.1977, 0.2317 looks on a white background.

Color Contrast Check

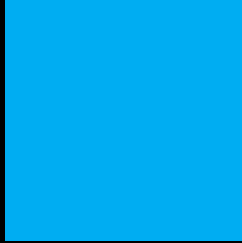
Large Text (above 18pt) WCAG AA × Fail

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 36.2979, 0.1977, 0.2317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

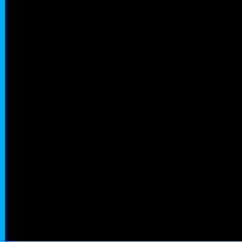
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

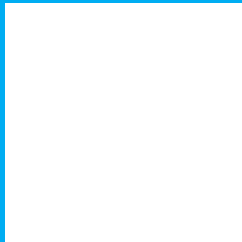
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.2979, 0.1977, 0.2317

Background



This preview shows how black text looks on a background with the Yxy color 36.2979, 0.1977, 0.2317.

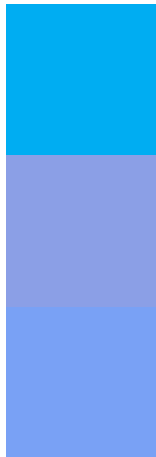


This preview shows how white text looks on a background with the Yxy color 36.2979, 0.1977, 0.2317.

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

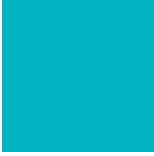
36.2979, 0.1977, 0.2317

Protanopia

35.9984, 0.2437, 0.2350

Deuteranopia

36.1473, 0.2254, 0.2195



Tritanopia

36.0905, 0.2184, 0.3061

Trichromacy



Original Color

36.2979, 0.1977, 0.2317



Protanomaly

34.5661, 0.2150, 0.2312



Deuteranomaly

35.0197, 0.2072, 0.2210



Tritanomaly

36.1474, 0.2101, 0.2764

Monochromacy



Original Color

36.2979, 0.1977, 0.2317



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

24.9469, 0.2383, 0.2849

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.2979, 0.1977, 0.2317 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, 173, 242)` looks like.

```
.text, #text, p{  
  color:rgb(0, 173, 242)  
}
```

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, 173, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 242) }
```

Border

The CSS property to change the border of an element to Yxy 36.2979, 0.1977, 0.2317 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, 173, 242) }
```

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

```
.border{ border-color:rgb(0, 173, 242) }
```

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

Here you see how a box with a 4 pixel rgb(0, 173, 242) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 36.2979, 0.1977, 0.2317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 173, 242) }
```

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

```
.background{ background-color: rgb(0, 173,  
242) }
```

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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