

Converting Colors

$Yxy(25.9088, 0.0816, 0.2048)$

Have a look what the booklet for
Yxy(25.9088, 0.0816, 0.2048)
contains.

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Color

Yxy(36.8038, 0.1975, 0.2310)

Conversions

Conversions Part 1

Format	Color
Hex	00AEF4
RGB	0, 174, 244
RGB Percent	0%, 68%, 96%
CMY	1.0000, 0.3176, 0.0430
CMYK	1.00, 0.29, 0.00, 0.04
HSL	197°, 100%, 48%
HSV	197°, 100%, 96%
XYZ	31.4665, 36.8038, 91.0536
YIQ	129.9540, -126.1740, -15.1180

Conversions

Conversions Part 2

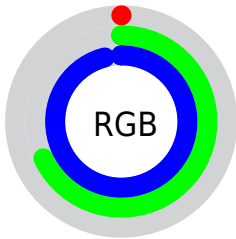
Format	Color
RYB	0, 102, 244
Decimal	44788
CIELab	67.13, -12.43, -45.10
CIELCh	67, 46.780, 254.596
Yxy	36.8038, 0.1975, 0.2310
Android (android.graphics.Color)	4278234868 (0xFF00AEF4)
YUV	129.9540, 56.2247, -113.9697
Hunter-Lab	60.6661, -13.5809, -46.5218

Details

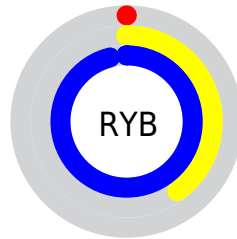
The Yxy color **36.8038, 0.1975, 0.2310** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle saturated azure. A complement of this color would be **23.6213, 0.6022, 0.3600**, and the grayscale version is **22.1386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.5736, 0.2346, 0.2975**, and **17.5069, 0.1919, 0.2110** is the 20% darker color. If you saturate the color by 10%, you get **36.8058, 0.1975, 0.2310**, and if you desaturate by 10%, it is **39.7817, 0.2020, 0.2417**.

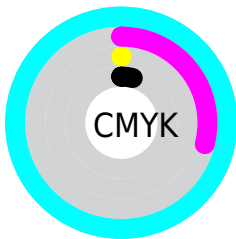
Distribution



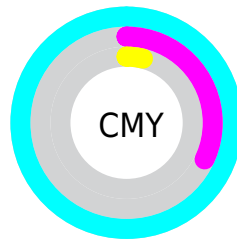
- Red (0%)
- Green (68%)
- Blue (96%)



- Red (0%)
- Yellow (40%)
- Blue (96%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (4%)





- Cyan (100%)
- Magenta (32%)
- Yellow (4%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.8038, 0.1975, 0.2310 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 36.8038, 0.1975, 0.2310 by changing the saturation by 10% instead.


 36.8038, 0.1975,
0.2310


 36.8038, 0.1975,
0.2310


332.4603, 0.2536,
0.2805


 25.0556, 0.1844,
0.2189


 70.2709, 0.2173,
0.2489

 16.1185, 0.1684,
0.2038


 92.7587, 0.2249,
0.2556


 9.6080, 0.1483,
0.1844


 119.5950, 0.2314,
0.2614

 5.1399, 0.1229,
0.1591

 151.1644, 0.2370,
0.2663

 2.3296, 0.0908,
0.1256

 187.8513, 0.2420,
0.2706

 0.7893, 0.0466,
0.0823

230.0399, 0.2463,

 0.0000, 0.0000,

0.2743

0.0000

278.1148, 0.2501,
0.2776

■ 36.8038, 0.1975,
0.2310

■ 36.8038, 0.1975,
0.2310

■ 36.8058, 0.1975,
0.2310

■ 39.7817, 0.2020,
0.2417

■ 43.1505, 0.2083,
0.2527

■ 46.9920, 0.2166,
0.2636

■ 51.3547, 0.2269,
0.2745

■ 56.2795, 0.2389,
0.2851

■ 61.8025, 0.2523,
0.2952

■ 67.9562, 0.2667,
0.3047

■ 74.7703, 0.2818,
0.3135

■ 82.2724, 0.2972,
0.3217

Harmonies

Analogous

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



36.8038, 0.1901, 0.2680



36.8038, 0.1975, 0.2310



36.8038, 0.2313, 0.2208

Triad

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



36.8038, 0.1975, 0.2310



36.8038, 0.4244, 0.3125



36.8038, 0.3231, 0.4536

Complementary

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



36.8038, 0.1975, 0.2310



23.6213, 0.6022, 0.3600

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.



36.8038, 0.3893, 0.4528



36.8038, 0.1975, 0.2310



36.8038, 0.4530, 0.3650

Square

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



36.8038, 0.1975, 0.2310



36.8038, 0.3614, 0.2664



36.8038, 0.4381, 0.4161



36.8038, 0.2576, 0.4058

Rectangle

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



36.8038, 0.1975, 0.2310



36.8038, 0.2676, 0.2272



36.8038, 0.4381, 0.4161



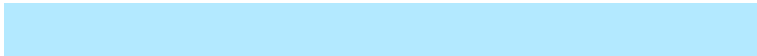
36.8038, 0.3460, 0.4587

Sweetspot

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



36.8058, 0.1975, 0.2310



75.0491, 0.2666, 0.3046



65.1487, 0.2906, 0.5663



15.4302, 0.2604, 0.3007



0.0000, 0.0000, 0.0000



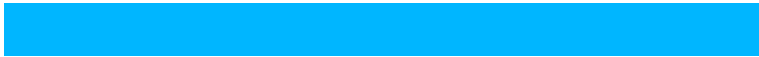
21.4041, 0.3127, 0.3290

Same Dimension

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



36.8058, 0.1975, 0.2310



40.6046, 0.1974, 0.2308



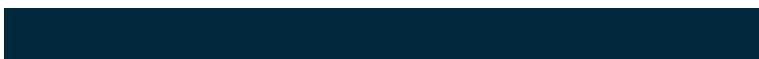
9.0678, 0.1556, 0.0802



17.9073, 0.2980, 0.3220



20.2536, 0.1980, 0.2327



1.9553, 0.2017, 0.2462

Inverse Universe

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



22.2939, 0.4116, 0.2041



24.6302, 0.4118, 0.2042



56.5666, 0.4645, 0.4694



16.6825, 0.3182, 0.3123



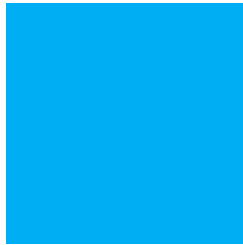
12.1440, 0.4098, 0.2031



1.0850, 0.3960, 0.1955

Previews

White Background



This preview shows how the Yxy color 36.8038, 0.1975, 0.2310 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 36.8038, 0.1975, 0.2310 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

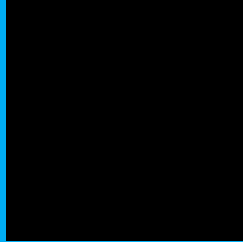
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

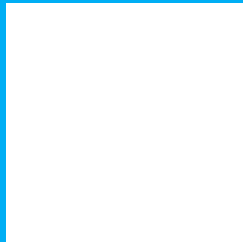
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.8038, 0.1975, 0.2310

Background



This preview shows how black text looks on a background with the Yxy color 36.8038, 0.1975, 0.2310.



This preview shows how white text looks on a background with the Yxy color 36.8038, 0.1975, 0.2310.

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

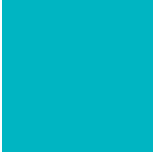
36.8038, 0.1975, 0.2310

Protanopia

36.4568, 0.2428, 0.2343

Deuteranopia

36.6210, 0.2247, 0.2189



Tritanopia

36.9428, 0.2189, 0.3079

Trichromacy



Original Color

36.8038, 0.1975, 0.2310



Protanomaly

35.0411, 0.2145, 0.2304



Deuteranomaly

35.5040, 0.2069, 0.2204



Tritanomaly

36.5943, 0.2102, 0.2766

Monochromacy



Original Color

36.8038, 0.1975, 0.2310



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

25.3370, 0.2386, 0.2852

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.8038, 0.1975, 0.2310 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, 174, 244)` looks like.

```
.text, #text, p{  
    color:rgb(0, 174, 244)  
}
```

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, 174, 244) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 244) }
```

Border

The CSS property to change the border of an element to Yxy 36.8038, 0.1975, 0.2310 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, 174, 244) }
```

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

```
.border{ border-color:rgb(0, 174, 244) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 174, 244)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 244); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 244);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
244) }
```


Background

The CSS property to change the background color of an element to Yxy 36.8038, 0.1975, 0.2310 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 174, 244) }
```

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

```
.background{ background-color: rgb(0, 174,  
244) }
```

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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