

Converting Colors

$Y_{xy}(27.3616, 0.1007, 0.2055)$

Have a look what the booklet for
Yxy(27.3616, 0.1007, 0.2055)
contains.

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Color

Yxy(36.9875, 0.1966, 0.2278)

Conversions

Conversions Part 1

Format	Color
Hex	00AEF7
RGB	0, 174, 247
RGB Percent	0%, 68%, 97%
CMY	1.0000, 0.3176, 0.0313
CMYK	1.00, 0.30, 0.00, 0.03
HSL	198°, 100%, 48%
HSV	198°, 100%, 97%
XYZ	31.9216, 36.9875, 93.4592
YIQ	130.2960, -127.1370, -14.1850

Conversions

Conversions Part 2

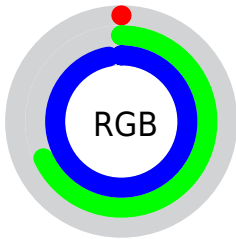
Format	Color
RYB	0, 102, 247
Decimal	44791
CIELab	67.27, -11.36, -46.51
CIELCh	67, 47.874, 256.272
Yxy	36.9875, 0.1966, 0.2278
Android (android.graphics.Color)	4278234871 (0xFF00AEF7)
YUV	130.2960, 57.5351, -114.2696
Hunter-Lab	60.8173, -12.7399, -48.5399

Details

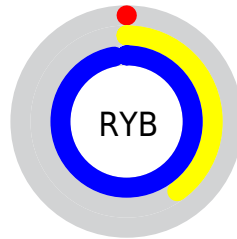
The Yxy color **36.9875, 0.1966, 0.2278** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **24.5411, 0.6003, 0.3616**, and the grayscale version is **22.2616, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.6381, 0.2350, 0.2975**, and **17.6368, 0.1909, 0.2071** is the 20% darker color. If you saturate the color by 10%, you get **36.9910, 0.1966, 0.2278**, and if you desaturate by 10%, it is **40.0919, 0.2012, 0.2389**.

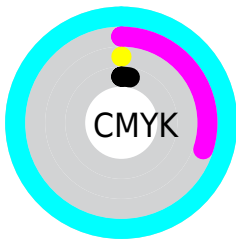
Distribution



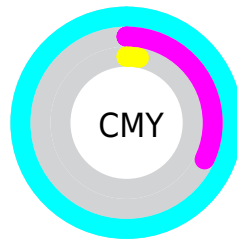
- Red (0%)
- Green (68%)
- Blue (97%)



- Red (0%)
- Yellow (40%)
- Blue (97%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (3%)



- Cyan (100%)
- Magenta (32%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9875, 0.1966, 0.2278 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 36.9875, 0.1966, 0.2278 by changing the saturation by 10% instead.

 36.9875, 0.1966,
0.2278


 36.9875, 0.1966,
0.2278


333.2564, 0.2530,
0.2787


 25.1978, 0.1835,
0.2155


 70.5536, 0.2164,
0.2461


 16.2245, 0.1674,
0.2002

 93.0987, 0.2241,
0.2530


 9.6832, 0.1474,
0.1806


 119.9978, 0.2306,
0.2589

 5.1894, 0.1221,
0.1551

 151.6353, 0.2363,
0.2640

 2.3588, 0.0904,
0.1218

 188.3955, 0.2413,
0.2684

 0.8046, 0.0481,
0.0794

230.6628, 0.2456,

 0.0000, 0.0000,

0.2723

0.0000

278.8216, 0.2495,
0.2757

■ 36.9875, 0.1966,
0.2278

■ 36.9875, 0.1966,
0.2278

■ 36.9910, 0.1966,
0.2278

■ 40.0919, 0.2012,
0.2389

■ 43.6057, 0.2076,
0.2502

■ 47.6143, 0.2161,
0.2615

■ 52.1679, 0.2265,
0.2727

■ 57.3089, 0.2386,
0.2837

■ 63.0746, 0.2521,
0.2941

■ 69.4988, 0.2666,
0.3039

■ 76.6121, 0.2817,
0.3131

■ 84.4433, 0.2972,
0.3214

Harmonies

Analogous

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



36.9875, 0.1875, 0.2637



36.9875, 0.1966, 0.2278



36.9875, 0.2324, 0.2190

Triad

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



36.9875, 0.1966, 0.2278



36.9875, 0.4296, 0.3149



36.9875, 0.3191, 0.4551

Complementary

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



36.9875, 0.1966, 0.2278



24.5411, 0.6003, 0.3616

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.



36.9875, 0.3871, 0.4566



36.9875, 0.1966, 0.2278



36.9875, 0.4562, 0.3684

Square

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



36.9875, 0.1966, 0.2278



36.9875, 0.3665, 0.2675



36.9875, 0.4385, 0.4202



36.9875, 0.2530, 0.4037

Rectangle

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



36.9875, 0.1966, 0.2278



36.9875, 0.2702, 0.2263



36.9875, 0.4385, 0.4202



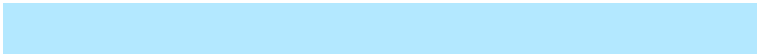
36.9875, 0.3425, 0.4612

Sweetspot

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



36.9910, 0.1966, 0.2278



74.6779, 0.2665, 0.3039



66.9692, 0.2907, 0.5664



15.3412, 0.2603, 0.2998



0.0000, 0.0000, 0.0000



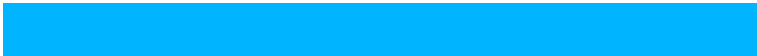
21.4041, 0.3127, 0.3290

Same Dimension

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



36.9910, 0.1966, 0.2278



39.7160, 0.1966, 0.2276



9.3097, 0.1556, 0.0801



17.8823, 0.2980, 0.3218



19.8204, 0.1971, 0.2297



1.9200, 0.2010, 0.2436

Inverse Universe

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



22.8321, 0.4149, 0.2059



24.5405, 0.4151, 0.2061



58.1330, 0.4646, 0.4693



16.6799, 0.3183, 0.3125



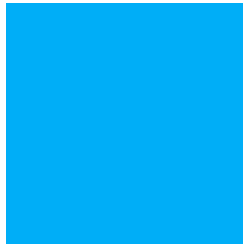
12.1003, 0.4130, 0.2049



1.0815, 0.3986, 0.1970

Previews

White Background



This preview shows how the Yxy color 36.9875, 0.1966, 0.2278 looks on a white background.

Color Contrast Check

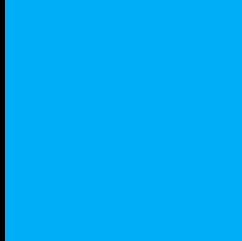
Large Text (above 18pt) WCAG AA × Fail

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 36.9875, 0.1966, 0.2278 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

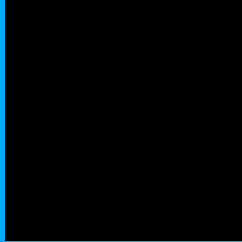
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

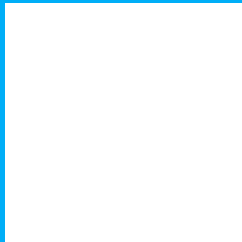
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.9875, 0.1966, 0.2278

Background



This preview shows how black text looks on a background with the Yxy color 36.9875, 0.1966, 0.2278.



This preview shows how white text looks on a background with the Yxy color 36.9875, 0.1966, 0.2278.

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

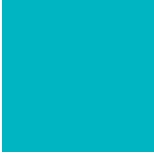
36.9875, 0.1966, 0.2278

Protanopia

36.5430, 0.2404, 0.2309

Deuteranopia

36.6647, 0.2223, 0.2157



Tritanopia

36.9428, 0.2189, 0.3079

Trichromacy



Original Color

36.9875, 0.1966, 0.2278

Protanomaly

35.2170, 0.2133, 0.2272

Deuteranomaly

35.6485, 0.2055, 0.2172

Tritanomaly

36.6449, 0.2098, 0.2753

Monochromacy



Original Color

36.9875, 0.1966, 0.2278

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

25.4139, 0.2373, 0.2820

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9875, 0.1966, 0.2278 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, 247)` looks like.

```
.text, #text, p{
  color:rgb(0, 174, 247)
}
```

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, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 247) }
```

Border

The CSS property to change the border of an element to Yxy 36.9875, 0.1966, 0.2278 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, 247) }
```

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

```
.border{ border-color:rgb(0, 174, 247) }
```

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, 247) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9875, 0.1966, 0.2278 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, 247) }
```

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

```
.background{ background-color: rgb(0, 174,  
247) }
```

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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