

Converting Colors

$Y_{xy}(26.4002, 0.0934, 0.1959)$

Have a look what the booklet for
Yxy(26.4002, 0.0934, 0.1959)
contains.

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Color

Yxy(36.4701, 0.1946, 0.2207)

Conversions

Conversions Part 1

Format	Color
Hex	00ACFB
RGB	0, 172, 251
RGB Percent	0%, 67%, 98%
CMY	1.0000, 0.3254, 0.0156
CMYK	1.00, 0.31, 0.00, 0.02
HSL	199°, 100%, 49%
HSV	199°, 100%, 98%
XYZ	32.1571, 36.4701, 96.6202
YIQ	129.5780, -127.8710, -11.8950

Conversions

Conversions Part 2

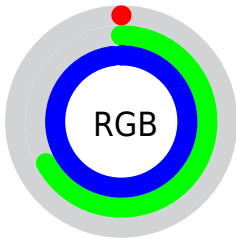
Format	Color
RYB	0, 102, 251
Decimal	44283
CIELab	66.88, -8.83, -49.30
CIElCh	67, 50.082, 259.849
Yxy	36.4701, 0.1946, 0.2207
Android (android.graphics.Color)	4278234363 (0xFF00ACFB)
YUV	129.5780, 59.8610, -113.6399
Hunter-Lab	60.3905, -10.6344, -52.5861

Details

The Yxy color **36.4701, 0.1946, 0.2207** 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 **26.1026, 0.5957, 0.3652**, and the grayscale version is **21.9899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6029, 0.2348, 0.2951**, and **17.3280, 0.1885, 0.1985** is the 20% darker color. If you saturate the color by 10%, you get **36.4773, 0.1947, 0.2207**, and if you desaturate by 10%, it is **39.7825, 0.1995, 0.2326**.

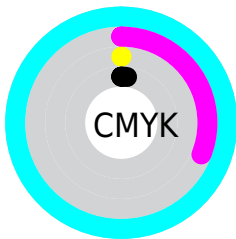
Distribution



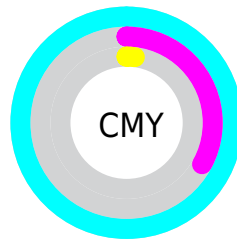
- Red (0%)
- Green (67%)
- Blue (98%)



- Red (0%)
- Yellow (40%)
- Blue (98%)



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (2%)





- Cyan (100%)
- Magenta (33%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.4701, 0.1946, 0.2207 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 36.4701, 0.1946, 0.2207 by changing the saturation by 10% instead.


 36.4701, 0.1946,
0.2207


 36.4701, 0.1946,
0.2207


331.0106, 0.2519,
0.2747


 24.7975, 0.1813,
0.2078


 69.7570, 0.2147,
0.2400

 15.9262, 0.1651,
0.1918


 92.1401, 0.2225,
0.2473


 9.4720, 0.1449,
0.1716


 118.8622, 0.2292,
0.2536

 5.0503, 0.1196,
0.1457

 150.3076, 0.2350,
0.2590

 2.2768, 0.0881,
0.1124

 186.8608, 0.2400,
0.2637

 0.7614, 0.0471,
0.0706

228.9061, 0.2445,

 0.0000, 0.0000,

0.2678

0.0000

276.8279, 0.2484,
0.2715

■ 36.4701, 0.1946,
0.2207

■ 36.4701, 0.1946,
0.2207

■ 36.4773, 0.1947,
0.2207

■ 39.7825, 0.1995,
0.2326

■ 43.5369, 0.2061,
0.2446

■ 47.8255, 0.2149,
0.2568

■ 52.7011, 0.2256,
0.2688

■ 58.2084, 0.2379,
0.2805

■ 64.3867, 0.2517,
0.2917

■ 71.2715, 0.2664,
0.3023

■ 78.8954, 0.2817,
0.3120

■ 87.2884, 0.2972,
0.3209

Harmonies

Analogous

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



36.4701, 0.1818, 0.2542



36.4701, 0.1946, 0.2207



36.4701, 0.2349, 0.2149

Triad

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



36.4701, 0.1946, 0.2207



36.4701, 0.4414, 0.3202



36.4701, 0.3101, 0.4584

Complementary

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



36.4701, 0.1946, 0.2207



26.1026, 0.5957, 0.3652

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.



36.4701, 0.3821, 0.4653



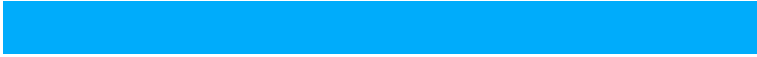
36.4701, 0.1946, 0.2207



36.4701, 0.4633, 0.3760

Square

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



36.4701, 0.1946, 0.2207



36.4701, 0.3782, 0.2700



36.4701, 0.4392, 0.4294



36.4701, 0.2427, 0.3987

Rectangle

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



36.4701, 0.1946, 0.2207



36.4701, 0.2761, 0.2244



36.4701, 0.4392, 0.4294



36.4701, 0.3346, 0.4669

Sweetspot

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



36.4773, 0.1947, 0.2207



73.8541, 0.2663, 0.3022



69.5138, 0.2896, 0.5627



15.1439, 0.2600, 0.2979



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.



36.4773, 0.1947, 0.2207



37.7828, 0.1946, 0.2206



9.2643, 0.1548, 0.0773



18.6331, 0.2980, 0.3214



19.4448, 0.1952, 0.2227



1.9908, 0.1991, 0.2369

Inverse Universe

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



23.4906, 0.4225, 0.2101



24.3453, 0.4226, 0.2102



62.1958, 0.4606, 0.4725



17.4261, 0.3186, 0.3129



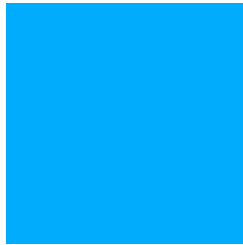
12.3739, 0.4204, 0.2089



1.1652, 0.4055, 0.2007

Previews

White Background



This preview shows how the Yxy color 36.4701, 0.1946, 0.2207 looks on a white background.

Color Contrast Check

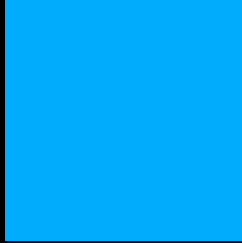
Large Text (above 18pt) WCAG AA × Fail

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 36.4701, 0.1946, 0.2207 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

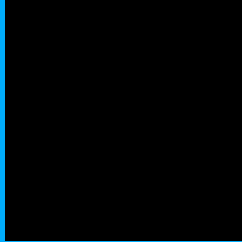
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

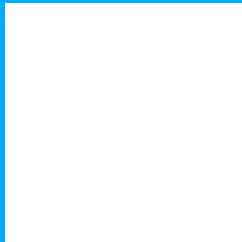
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.4701, 0.1946, 0.2207

Background



This preview shows how black text looks on a background with the Yxy color 36.4701, 0.1946, 0.2207.

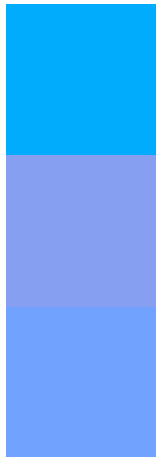


This preview shows how white text looks on a background with the Yxy color 36.4701, 0.1946, 0.2207.

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

36.4701, 0.1946, 0.2207

Protanopia

36.1559, 0.2350, 0.2238

Deuteranopia

36.4412, 0.2170, 0.2109

Trichromacy



Original Color

36.4701, 0.1946, 0.2207

Protanomaly

35.0139, 0.2098, 0.2203

Deuteranomaly

35.7039, 0.2025, 0.2129

Monochromacy



Original Color

36.4701, 0.1946, 0.2207

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

25.1458, 0.2364, 0.2786

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.4701, 0.1946, 0.2207 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, 172, 251)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 251)  
}
```

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, 172, 251) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 251) }
```

Border

The CSS property to change the border of an element to Yxy 36.4701, 0.1946, 0.2207 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, 172, 251) }
```

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

```
.border{ border-color:rgb(0, 172, 251) }
```

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

Here you see how a box with a 4 pixel rgb(0, 172, 251) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 251); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 251);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
251) }
```

Background

The CSS property to change the background color of an element to Yxy 36.4701, 0.1946, 0.2207 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 251) }
```

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

```
.background{ background-color: rgb(0, 172,  
251) }
```

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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