

Converting Colors

$Y_{xy}(34.9261, 0.1803, 0.2189)$

Have a look what the booklet for
Yxy(34.9261, 0.1803, 0.2189)
contains.

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Color

Yxy(36.7893, 0.1953, 0.2232)

Conversions

Conversions Part 1

Format	Color
Hex	00ADFA
RGB	0, 173, 250
RGB Percent	0%, 68%, 98%
CMY	1.0000, 0.3215, 0.0196
CMYK	1.00, 0.31, 0.00, 0.02
HSL	198°, 100%, 49%
HSV	198°, 100%, 98%
XYZ	32.1906, 36.7893, 95.8467
YIQ	130.0510, -127.8250, -12.7290

Conversions

Conversions Part 2

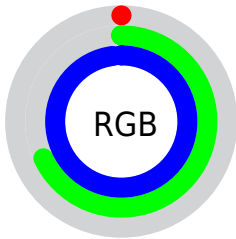
Format	Color
R _{YB}	0, 102, 250
Decimal	44538
CIE _{Lab}	67.12, -9.75, -48.37
CIE _{LCh}	67, 49.340, 258.609
Y _{xy}	36.7893, 0.1953, 0.2232
Android (android.graphics.Color)	4278234618 (0xFF00ADFA)
YUV	130.0510, 59.1349, -114.0547
Hunter-Lab	60.6542, -11.4106, -51.2330

Details

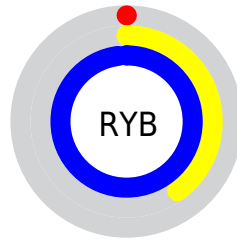
The Yxy color **36.7893, 0.1953, 0.2232** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **25.6296, 0.5974, 0.3639**, and the grayscale version is **22.1669, 0.3127, 0.3290**.

A 20% lighter version of the original color is **66.0863, 0.2347, 0.2963**, and **17.5250, 0.1893, 0.2015** is the 20% darker color. If you saturate the color by 10%, you get **36.7957, 0.1953, 0.2232**, and if you desaturate by 10%, it is **40.0409, 0.2001, 0.2348**.

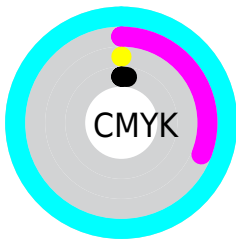
Distribution



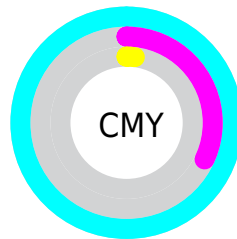
- Red (0%)
- Green (68%)
- Blue (98%)



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



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





- Cyan (100%)
- Magenta (32%)
- Yellow (2%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7893, 0.1953, 0.2232 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 36.7893, 0.1953, 0.2232 by changing the saturation by 10% instead.


 36.7893, 0.1953,
0.2232


 36.7893, 0.1953,
0.2232


332.3974, 0.2522,
0.2761


 25.0444, 0.1821,
0.2106


 70.2486, 0.2153,
0.2421

 16.1101, 0.1660,
0.1948


 92.7318, 0.2230,
0.2493

 9.6021, 0.1458,
0.1748


 119.5632, 0.2297,
0.2554

 5.1360, 0.1206,
0.1491

 151.1272, 0.2354,
0.2607

 2.3273, 0.0891,
0.1159

 187.8083, 0.2404,
0.2653

 0.7881, 0.0480,
0.0740

229.9907, 0.2448,

 0.0000, 0.0000,

0.2694

0.0000

278.0590, 0.2488,
0.2729

■ 36.7893, 0.1953,
0.2232

■ 36.7893, 0.1953,
0.2232

■ 36.7957, 0.1953,
0.2232

■ 40.0409, 0.2001,
0.2348

■ 43.7237, 0.2066,
0.2466

■ 47.9284, 0.2153,
0.2585

■ 52.7071, 0.2259,
0.2702

■ 58.1039, 0.2382,
0.2816

■ 64.1574, 0.2518,
0.2926

■ 70.9027, 0.2664,
0.3028

■ 78.3717, 0.2817,
0.3124

■ 86.5942, 0.2972,
0.3211

Harmonies

Analogous

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



36.7893, 0.1838, 0.2575



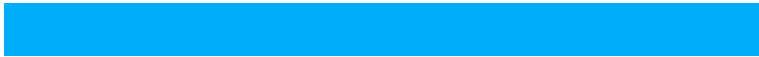
36.7893, 0.1953, 0.2232



36.7893, 0.2340, 0.2164

Triad

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



36.7893, 0.1953, 0.2232



36.7893, 0.4372, 0.3183



36.7893, 0.3133, 0.4573

Complementary

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



36.7893, 0.1953, 0.2232



25.6296, 0.5974, 0.3639

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.



36.7893, 0.3839, 0.4622



36.7893, 0.1953, 0.2232



36.7893, 0.4608, 0.3733

Square

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



36.7893, 0.1953, 0.2232



36.7893, 0.3740, 0.2691



36.7893, 0.4390, 0.4261



36.7893, 0.2464, 0.4005

Rectangle

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



36.7893, 0.1953, 0.2232



36.7893, 0.2740, 0.2251



36.7893, 0.4390, 0.4261



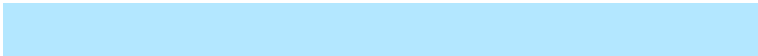
36.7893, 0.3374, 0.4649

Sweetspot

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



36.7957, 0.1953, 0.2232



74.1444, 0.2664, 0.3028



68.8796, 0.2896, 0.5627



15.2134, 0.2601, 0.2986



0.0000, 0.0000, 0.0000



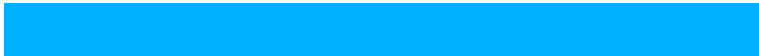
21.4041, 0.3127, 0.3290

Same Dimension

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



36.7957, 0.1953, 0.2232



38.4579, 0.1953, 0.2231



9.1834, 0.1548, 0.0773



18.6537, 0.2980, 0.3215



19.7845, 0.1959, 0.2251



2.0203, 0.1997, 0.2390

Inverse Universe

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



23.3419, 0.4198, 0.2086



24.4135, 0.4199, 0.2087



61.6329, 0.4606, 0.4725



17.4282, 0.3185, 0.3127



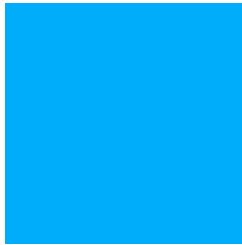
12.4082, 0.4178, 0.2075



1.1682, 0.4033, 0.1995

Previews

White Background



This preview shows how the Yxy color 36.7893, 0.1953, 0.2232 looks on a white background.

Color Contrast Check

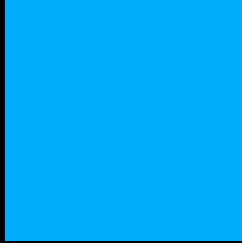
Large Text (above 18pt) WCAG AA × Fail

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 36.7893, 0.1953, 0.2232 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

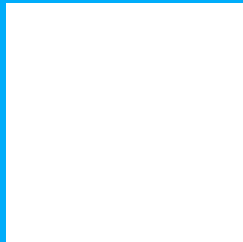
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.7893, 0.1953, 0.2232

Background



This preview shows how black text looks on a background with the Yxy color 36.7893, 0.1953, 0.2232.



This preview shows how white text looks on a background with the Yxy color 36.7893, 0.1953, 0.2232.

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

36.7893, 0.1953, 0.2232

Protanopia

36.6078, 0.2370, 0.2265

Deuteranopia

36.5773, 0.2189, 0.2123

Trichromacy



Original Color

36.7893, 0.1953, 0.2232

Protanomaly

35.4076, 0.2113, 0.2229

Deuteranomaly

35.7172, 0.2035, 0.2140

Monochromacy



Original Color

36.7893, 0.1953, 0.2232

Achromatopsia

22.3228, 0.3127, 0.3290

Achromatomaly

25.4528, 0.2367, 0.2804

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7893, 0.1953, 0.2232 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 173, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 173, 250) }
```

Border

The CSS property to change the border of an element to Yxy 36.7893, 0.1953, 0.2232 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, 250) }
```

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

```
.border{ border-color:rgb(0, 173, 250) }
```

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, 250)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 173, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 173, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 173,  
250) }
```

Background

The CSS property to change the background color of an element to Yxy 36.7893, 0.1953, 0.2232 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, 250) }
```

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

```
.background{ background-color: rgb(0, 173,  
250) }
```

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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