

Converting Colors

$Yxy(31.2441, 0.1676, 0.2287)$

Have a look what the booklet for
Yxy(31.2441, 0.1676, 0.2287)
contains.

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Color

Yxy(34.3164, 0.1985, 0.2346)

Conversions

Conversions Part 1

Format	Color
Hex	00A9EA
RGB	0, 169, 234
RGB Percent	0%, 66%, 92%
CMY	1.0000, 0.3372, 0.0824
CMYK	1.00, 0.28, 0.00, 0.08
HSL	197°, 100%, 46%
HSV	197°, 100%, 92%
XYZ	29.0358, 34.3164, 82.9240
YIQ	125.8790, -121.5890, -15.6130

Conversions

Conversions Part 2

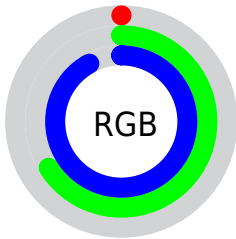
Format	Color
RYB	0, 98, 234
Decimal	43498
CIELab	65.21, -13.31, -42.62
CIELCh	65, 44.651, 252.657
Yxy	34.3164, 0.1985, 0.2346
Android (android.graphics.Color)	4278233578 (0xFF00A9EA)
YUV	125.8790, 53.3037, -110.3959
Hunter-Lab	58.5802, -14.0401, -42.9226

Details

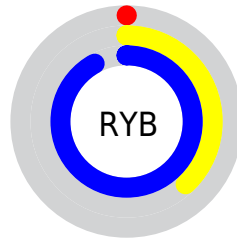
The Yxy color **34.3164, 0.1985, 0.2346** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **21.2682, 0.6040, 0.3586**, and the grayscale version is **20.6685, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.7195, 0.2326, 0.2912**, and **15.9369, 0.1926, 0.2131** is the 20% darker color. If you saturate the color by 10%, you get **34.3183, 0.1985, 0.2346**, and if you desaturate by 10%, it is **36.9835, 0.2029, 0.2450**.

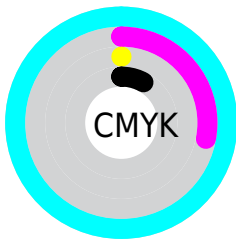
Distribution



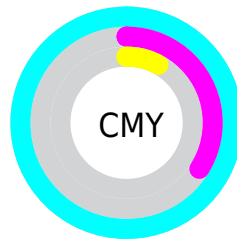
- Red (0%)
- Green (66%)
- Blue (92%)



- Red (0%)
- Yellow (38%)
- Blue (92%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (8%)





- Cyan (100%)
- Magenta (34%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.3164, 0.1985, 0.2346 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 34.3164, 0.1985, 0.2346 by changing the saturation by 10% instead.

 34.3164, 0.1985,
0.2346


 34.3164, 0.1985,
0.2346

321.5406, 0.2548,
0.2831


 23.1368, 0.1852,
0.2225


 66.4254, 0.2185,
0.2523


 14.6945, 0.1686,
0.2072


 88.1236, 0.2262,
0.2590

 8.6053, 0.1478,
0.1873

 114.0967, 0.2327,
0.2646

 4.4846, 0.1212,
0.1610

 144.7292, 0.2384,
0.2694

 1.9482, 0.0873,
0.1256

 180.4054, 0.2433,
0.2735

 0.5771, 0.0296,
0.0763

221.5098, 0.2476,

 0.0000, 0.0000,

0.2771

0.0000

268.4267, 0.2514,
0.2803

■ 34.3164, 0.1985,
0.2346

■ 34.3164, 0.1985,
0.2346

■ 34.3183, 0.1985,
0.2346

■ 36.9835, 0.2029,
0.2450

■ 39.9963, 0.2091,
0.2555

■ 43.4299, 0.2173,
0.2660

■ 47.3276, 0.2275,
0.2765

■ 51.7263, 0.2393,
0.2866

■ 56.6583, 0.2526,
0.2964

■ 62.1526, 0.2669,
0.3056

■ 68.2361, 0.2819,
0.3141

■ 74.9333, 0.2973,
0.3219

Harmonies

Analogous

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



34.3164, 0.1930, 0.2728



34.3164, 0.1985, 0.2346



34.3164, 0.2301, 0.2229

Triad

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



34.3164, 0.1985, 0.2346



34.3164, 0.4187, 0.3098



34.3164, 0.3275, 0.4519

Complementary

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



34.3164, 0.1985, 0.2346



21.2682, 0.6040, 0.3586

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.



34.3164, 0.3917, 0.4486



34.3164, 0.1985, 0.2346



34.3164, 0.4493, 0.3612

Square

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



34.3164, 0.1985, 0.2346



34.3164, 0.3557, 0.2652



34.3164, 0.4376, 0.4116



34.3164, 0.2627, 0.4080

Rectangle

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



34.3164, 0.1985, 0.2346



34.3164, 0.2648, 0.2282



34.3164, 0.4376, 0.4116



34.3164, 0.3498, 0.4559

Sweetspot

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



34.3183, 0.1985, 0.2346



75.4508, 0.2667, 0.3054



59.1898, 0.2915, 0.5695



15.5266, 0.2605, 0.3016



0.0000, 0.0000, 0.0000



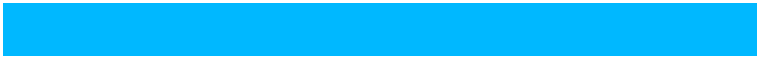
21.4041, 0.3127, 0.3290

Same Dimension

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



34.3183, 0.1985, 0.2346



41.5781, 0.1984, 0.2341



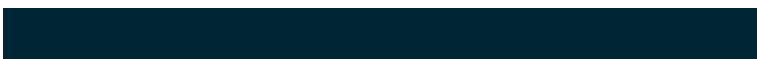
8.6339, 0.1565, 0.0834



16.3735, 0.2981, 0.3223



19.5096, 0.1990, 0.2362



1.6922, 0.2030, 0.2506

Inverse Universe

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



20.3549, 0.4078, 0.2020



24.7285, 0.4083, 0.2023



49.8865, 0.4685, 0.4662



15.2383, 0.3180, 0.3121



11.4623, 0.4062, 0.2011



0.9162, 0.3916, 0.1931

Previews

White Background



This preview shows how the Yxy color 34.3164, 0.1985, 0.2346 looks on a white background.

Color Contrast Check

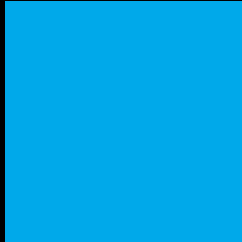
Large Text (above 18pt) WCAG AA × Fail

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 34.3164, 0.1985, 0.2346 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

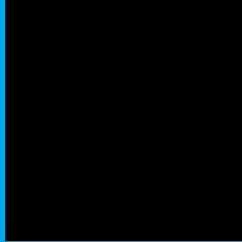
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.3164, 0.1985, 0.2346

Background



This preview shows how black text looks on a background with the Yxy color 34.3164, 0.1985, 0.2346.

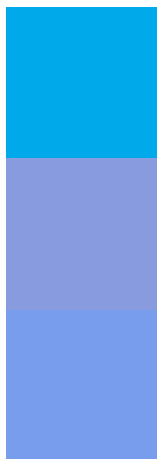


This preview shows how white text looks on a background with the Yxy color 34.3164, 0.1985, 0.2346.

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

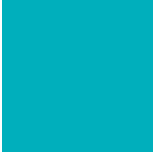
34.3164, 0.1985, 0.2346

Protanopia

34.0046, 0.2449, 0.2366

Deuteranopia

34.2214, 0.2276, 0.2219



Tritanopia

34.2908, 0.2187, 0.3072

Trichromacy



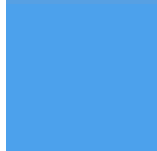
Original Color

34.3164, 0.1985, 0.2346



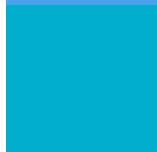
Protanomaly

32.7139, 0.2162, 0.2329



Deuteranomaly

33.0824, 0.2085, 0.2234



Tritanomaly

34.2949, 0.2106, 0.2782

Monochromacy



Original Color

34.3164, 0.1985, 0.2346



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

23.7681, 0.2391, 0.2875

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.3164, 0.1985, 0.2346 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, 169, 234)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 234)  
}
```

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, 169, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 234) }
```

Border

The CSS property to change the border of an element to Yxy 34.3164, 0.1985, 0.2346 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, 169, 234) }
```

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

```
.border{ border-color:rgb(0, 169, 234) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 234);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 34.3164, 0.1985, 0.2346 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 234) }
```

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

```
.background{ background-color: rgb(0, 169,  
234) }
```

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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