

Converting Colors

$Y_{xy}(27.7548, 0.1376, 0.2213)$

Have a look what the booklet for
Yxy(27.7548, 0.1376, 0.2213)
contains.

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Color

Yxy(33.4070, 0.1986, 0.2349)

Conversions

Conversions Part 1

Format	Color
Hex	00A7E7
RGB	0, 167, 231
RGB Percent	0%, 65%, 91%
CMY	0.9993, 0.3451, 0.0941
CMYK	1.00, 0.28, 0.00, 0.09
HSL	197°, 100%, 45%
HSV	197°, 100%, 91%
XYZ	28.2445, 33.4070, 80.5665
YIQ	124.3630, -120.0760, -15.5000

Conversions

Conversions Part 2

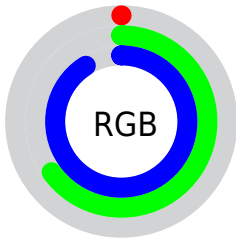
Format	Color
RYB	0, 97, 231
Decimal	42983
CIELab	64.49, -13.28, -42.12
CIELCh	64, 44.164, 252.504
Yxy	33.4070, 0.1986, 0.2349
Android (android.graphics.Color)	4278233063 (0xFF00A7E7)
YUV	124.3630, 52.5720, -109.0664
Hunter-Lab	57.7988, -13.9204, -42.1859

Details

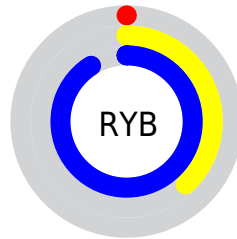
The Yxy color **33.4070, 0.1986, 0.2349** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **20.6787, 0.6038, 0.3587**, and the grayscale version is **20.1534, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5884, 0.2316, 0.2886**, and **15.3566, 0.1926, 0.2132** is the 20% darker color. If you saturate the color by 10%, you get **33.3889, 0.1986, 0.2348**, and if you desaturate by 10%, it is **35.9980, 0.2031, 0.2452**.

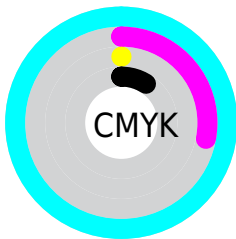
Distribution



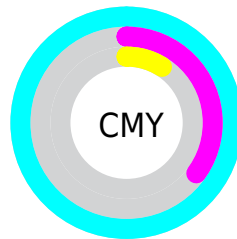
- Red (0%)
- Green (65%)
- Blue (91%)



- Red (0%)
- Yellow (38%)
- Blue (91%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (9%)



- Cyan (100%)
- Magenta (35%)
- Yellow (9%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.4070, 0.1986, 0.2349 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 33.4070, 0.1986, 0.2349 by changing the saturation by 10% instead.

33.4070, 0.1986,
0.2349

33.4070, 0.1986,
0.2349

317.4797, 0.2551,
0.2835

22.4384, 0.1851,
0.2227

65.0104, 0.2188,
0.2527

14.1794, 0.1684,
0.2072

86.4141, 0.2265,
0.2594

8.2455, 0.1472,
0.1871

112.0649, 0.2330,
0.2650

4.2525, 0.1202,
0.1603

142.3472, 0.2387,
0.2698

1.8158, 0.0857,
0.1242

177.6454, 0.2436,
0.2739

0.4970, 0.0213,
0.0713

218.3440, 0.2479,

0.0000, 0.0000,

0.2775

0.0000

264.8273, 0.2517,
0.2807

■ 33.4070, 0.1986,
0.2349

■ 33.4070, 0.1986,
0.2349

■ 33.3889, 0.1986,
0.2348

■ 35.9980, 0.2031,
0.2452

■ 38.9258, 0.2092,
0.2557

■ 42.2619, 0.2175,
0.2663

■ 46.0485, 0.2276,
0.2767

■ 50.3211, 0.2395,
0.2868

■ 55.1110, 0.2527,
0.2965

■ 60.4463, 0.2670,
0.3057

■ 66.3529, 0.2820,
0.3142

■ 72.8548, 0.2974,
0.3220

Harmonies

Analogous

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



33.4070, 0.1932, 0.2732



33.4070, 0.1986, 0.2349



33.4070, 0.2300, 0.2231

Triad

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



33.4070, 0.1986, 0.2349



33.4070, 0.4182, 0.3096



33.4070, 0.3278, 0.4517

Complementary

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



33.4070, 0.1986, 0.2349



20.6787, 0.6038, 0.3587

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.



33.4070, 0.3918, 0.4483



33.4070, 0.1986, 0.2349



33.4070, 0.4490, 0.3609

Square

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



33.4070, 0.1986, 0.2349



33.4070, 0.3553, 0.2651



33.4070, 0.4375, 0.4112



33.4070, 0.2631, 0.4082

Rectangle

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



33.4070, 0.1986, 0.2349



33.4070, 0.2646, 0.2283



33.4070, 0.4375, 0.4112



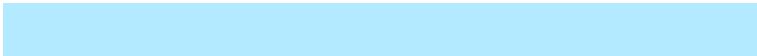
33.4070, 0.3501, 0.4556

Sweetspot

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



33.4081, 0.1986, 0.2349



75.4683, 0.2667, 0.3055



57.5026, 0.2915, 0.5693



15.5308, 0.2605, 0.3017



0.0000, 0.0000, 0.0000



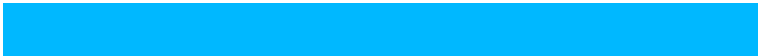
21.4041, 0.3127, 0.3290

Same Dimension

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



33.4081, 0.1986, 0.2349



41.6207, 0.1984, 0.2343



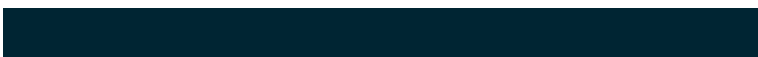
8.4131, 0.1566, 0.0837



15.6251, 0.2981, 0.3223



18.9354, 0.1990, 0.2365



1.5533, 0.2032, 0.2516

Inverse Universe

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



19.7842, 0.4075, 0.2019



24.7328, 0.4082, 0.2022



48.4935, 0.4684, 0.4663



14.5435, 0.3180, 0.3122



11.1093, 0.4059, 0.2010



0.8365, 0.3906, 0.1926

Previews

White Background



This preview shows how the Yxy color 33.4070, 0.1986, 0.2349 looks on a white background.

Color Contrast Check

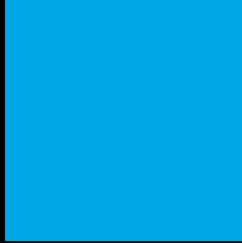
Large Text (above 18pt) WCAG AA × Fail

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 33.4070, 0.1986, 0.2349 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

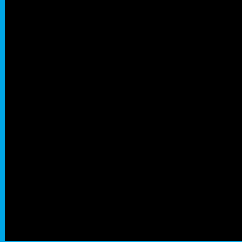
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.4070, 0.1986, 0.2349

Background



This preview shows how black text looks on a background with the Yxy color 33.4070, 0.1986, 0.2349.



This preview shows how white text looks on a background with the Yxy color 33.4070, 0.1986, 0.2349.

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

33.4070, 0.1986, 0.2349

Protanopia

33.1007, 0.2455, 0.2370

Deuteranopia

33.3051, 0.2279, 0.2221



Tritanopia

33.4323, 0.2186, 0.3070

Trichromacy



Original Color

33.4070, 0.1986, 0.2349



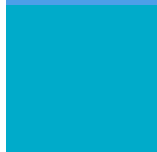
Protanomaly

31.8140, 0.2164, 0.2332



Deuteranomaly

32.2160, 0.2089, 0.2237



Tritanomaly

33.3901, 0.2109, 0.2792

Monochromacy



Original Color

33.4070, 0.1986, 0.2349



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

23.0628, 0.2391, 0.2870

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.4070, 0.1986, 0.2349 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, 167, 231)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 231)  
}
```

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, 167, 231) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 231) }
```

Border

The CSS property to change the border of an element to Yxy 33.4070, 0.1986, 0.2349 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, 167, 231) }
```

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

```
.border{ border-color:rgb(0, 167, 231) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 167, 231)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 231); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 231);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
231) }
```


Background

The CSS property to change the background color of an element to Yxy 33.4070, 0.1986, 0.2349 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 231) }
```

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

```
.background{ background-color: rgb(0, 167,  
231) }
```

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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