

Converting Colors

$Y_{xy}(32.0225, 0.1985, 0.2346)$

Have a look what the booklet for
Yxy(32.0225, 0.1985, 0.2346)
contains.

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Color

Yxy(32.0970, 0.1986, 0.2348)

Conversions

Conversions Part 1

Format	Color
Hex	01A4E3
RGB	1, 164, 227
RGB Percent	0%, 64%, 89%
CMY	0.9975, 0.3569, 0.1097
CMYK	1.00, 0.28, 0.00, 0.11
HSL	197°, 99%, 45%
HSV	197°, 100%, 89%
XYZ	27.1485, 32.0970, 77.4538
YIQ	122.4450, -117.3710, -14.9630

Conversions

Conversions Part 2

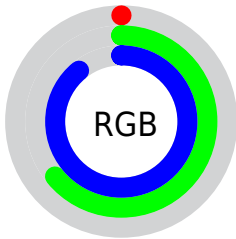
Format	Color
RYB	1, 96, 227
Decimal	107747
CIELab	63.42, -13.06, -41.60
CIELCh	63, 43.600, 252.577
Yxy	32.0970, 0.1986, 0.2348
Android (android.graphics.Color)	4278297827 (0xFF01A4E3)
YUV	122.4450, 51.5456, -106.5073
Hunter-Lab	56.6542, -13.6084, -41.3994

Details

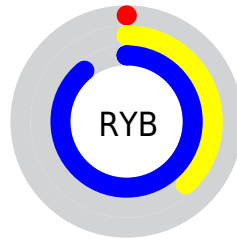
The Yxy color **32.0970, 0.1986, 0.2348** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **19.9663, 0.6028, 0.3593**, and the grayscale version is **19.4333, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9472, 0.2304, 0.2847**, and **14.5286, 0.1924, 0.2127** is the 20% darker color. If you saturate the color by 10%, you get **32.0303, 0.1985, 0.2345**, and if you desaturate by 10%, it is **34.5991, 0.2031, 0.2452**.

Distribution



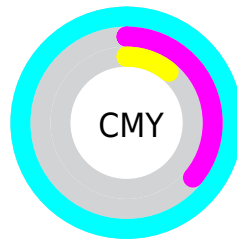
- Red (0%)
- Green (64%)
- Blue (89%)



- Red (0%)
- Yellow (38%)
- Blue (89%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (36%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.0970, 0.1986, 0.2348 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 32.0970, 0.1986, 0.2348 by changing the saturation by 10% instead.


 32.0970, 0.1986,
0.2348


 32.0970, 0.1986,
0.2348


311.5609, 0.2555,
0.2838


 21.4356, 0.1849,
0.2224


 62.9631, 0.2190,
0.2528


 13.4428, 0.1679,
0.2067


 83.9366, 0.2267,
0.2595


 7.7342, 0.1463,
0.1861


 109.1163, 0.2333,
0.2652

 3.9253, 0.1185,
0.1585

 138.8865, 0.2390,
0.2700

 1.6319, 0.0832,
0.1212

 173.6317, 0.2440,
0.2742

 0.3789, 0.0067,
0.0613

213.7362, 0.2483,

 0.0000, 0.0000,

0.2778

0.0000

259.5845, 0.2521,
0.2810

■ 32.0970, 0.1986,
0.2348

■ 32.0970, 0.1986,
0.2348

■ 32.0303, 0.1985,
0.2345

■ 34.5991, 0.2031,
0.2452

■ 37.4277, 0.2094,
0.2557

■ 40.6504, 0.2177,
0.2663

■ 44.3072, 0.2279,
0.2767

■ 48.4321, 0.2398,
0.2869

■ 53.0549, 0.2531,
0.2966

■ 58.2027, 0.2674,
0.3058

■ 63.9002, 0.2824,
0.3143

■ 70.1704, 0.2977,
0.3221

Harmonies

Analogous

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



32.0970, 0.1931, 0.2731



32.0970, 0.1986, 0.2348



32.0970, 0.2301, 0.2230

Triad

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



32.0970, 0.1986, 0.2348



32.0970, 0.4184, 0.3097



32.0970, 0.3276, 0.4517

Complementary

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



32.0970, 0.1986, 0.2348



19.9663, 0.6028, 0.3593

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.



32.0970, 0.3917, 0.4484



32.0970, 0.1986, 0.2348



32.0970, 0.4491, 0.3611

Square

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



32.0970, 0.1986, 0.2348



32.0970, 0.3555, 0.2651



32.0970, 0.4375, 0.4114



32.0970, 0.2630, 0.4081

Rectangle

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



32.0970, 0.1986, 0.2348



32.0970, 0.2647, 0.2283



32.0970, 0.4375, 0.4114



32.0970, 0.3500, 0.4557

Sweetspot

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



32.0981, 0.1986, 0.2348



75.4186, 0.2667, 0.3054



55.2922, 0.2914, 0.5688



15.5189, 0.2605, 0.3015



0.0000, 0.0000, 0.0000



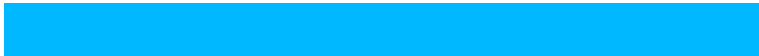
21.4041, 0.3127, 0.3290

Same Dimension

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



32.0981, 0.1986, 0.2348



41.4996, 0.1983, 0.2339



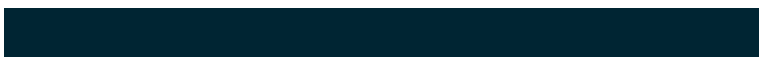
8.1400, 0.1568, 0.0841



15.6223, 0.2981, 0.3223



18.8817, 0.1989, 0.2361



1.5497, 0.2031, 0.2513

Inverse Universe

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



19.0285, 0.4076, 0.2020



24.7206, 0.4086, 0.2025



46.6857, 0.4681, 0.4663



14.5432, 0.3180, 0.3122



11.1038, 0.4063, 0.2012



0.8361, 0.3910, 0.1927

Previews

White Background



This preview shows how the Yxy color 32.0970, 0.1986, 0.2348 looks on a white background.

Color Contrast Check

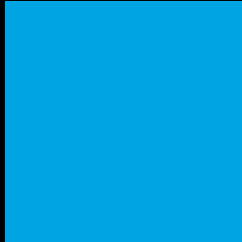
Large Text (above 18pt) WCAG AA × Fail

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 32.0970, 0.1986, 0.2348 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 32.0970, 0.1986, 0.2348

Background



This preview shows how black text looks on a background with the Yxy color 32.0970, 0.1986, 0.2348.



This preview shows how white text looks on a background with the Yxy color 32.0970, 0.1986, 0.2348.

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

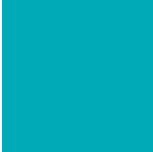
32.1034, 0.1986, 0.2349

Protanopia

31.6761, 0.2452, 0.2367

Deuteranopia

31.9516, 0.2280, 0.2217



Tritanopia

32.1268, 0.2190, 0.3083

Trichromacy



Original Color

32.1034, 0.1986, 0.2349

Protanomaly

30.4948, 0.2162, 0.2330

Deuteranomaly

30.9299, 0.2090, 0.2234

Tritanomaly

32.0825, 0.2111, 0.2799

Monochromacy



Original Color

32.1034, 0.1986, 0.2349

Achromatopsia

19.4618, 0.3127, 0.3290

Achromatomaly

22.0491, 0.2393, 0.2863

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.0970, 0.1986, 0.2348 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(1, 164, 227)` looks like.

```
.text, #text, p{  
    color:rgb(1, 164, 227)  
}
```

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(1, 164, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 164, 227) }
```

Border

The CSS property to change the border of an element to Yxy 32.0970, 0.1986, 0.2348 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(1, 164, 227) }
```

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

```
.border{ border-color:rgb(1, 164, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 164, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 164, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 164, 227);  
box-shadow:4px 4px 4px 4px rgb(1, 164,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 32.0970, 0.1986, 0.2348 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 164, 227) }
```

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

```
.background{ background-color: rgb(1, 164,  
227) }
```

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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