

Converting Colors

$Y_{xy}(32.6628, 0.1993, 0.2374)$

Have a look what the booklet for
Yxy(32.6628, 0.1993, 0.2374)
contains.

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Color

Yxy(32.8185, 0.1995, 0.2380)

Conversions

Conversions Part 1

Format	Color
Hex	01A6E3
RGB	1, 166, 227
RGB Percent	0%, 65%, 89%
CMY	0.9967, 0.3491, 0.1098
CMYK	1.00, 0.27, 0.00, 0.11
HSL	196°, 99%, 45%
HSV	196°, 100%, 89%
XYZ	27.5096, 32.8185, 77.5647
YIQ	123.6190, -117.9210, -16.0090

Conversions

Conversions Part 2

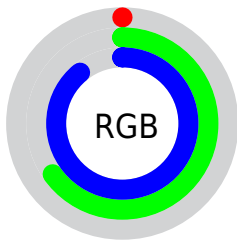
Format	Color
RYB	1, 96, 227
Decimal	108259
CIELab	64.01, -14.15, -40.67
CIELCh	64, 43.057, 250.817
Yxy	32.8185, 0.1995, 0.2380
Android (android.graphics.Color)	4278298339 (0xFF01A6E3)
YUV	123.6190, 50.9668, -107.5369
Hunter-Lab	57.2874, -14.5367, -40.1749

Details

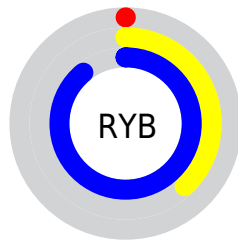
The Yxy color **32.8185, 0.1995, 0.2380** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **19.7643, 0.6046, 0.3578**, and the grayscale version is **19.8602, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9971, 0.2310, 0.2873**, and **14.9749, 0.1936, 0.2168** is the 20% darker color. If you saturate the color by 10%, you get **32.7325, 0.1994, 0.2376**, and if you desaturate by 10%, it is **35.2827, 0.2039, 0.2480**.

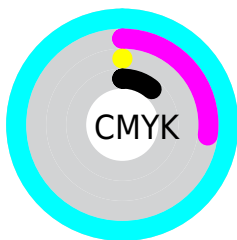
Distribution



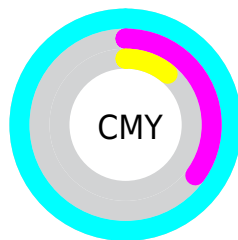
- Red (0%)
- Green (65%)
- Blue (89%)



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



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (35%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.8185, 0.1995, 0.2380 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 32.8185, 0.1995, 0.2380 by changing the saturation by 10% instead.

■ 32.8185, 0.1995,
0.2380

■ 32.8185, 0.1995,
0.2380

■ 314.8311, 0.2558,
0.2854

■ 21.9874, 0.1860,
0.2260

■ 64.0921, 0.2196,
0.2554

■ 13.8477, 0.1692,
0.2107

■ 85.3033, 0.2273,
0.2619

■ 8.0148, 0.1478,
0.1906

■ 110.7435, 0.2339,
0.2674

■ 4.1044, 0.1204,
0.1637

■ 140.7969, 0.2395,
0.2721

■ 1.7321, 0.0853,
0.1270

■ 175.8480, 0.2444,
0.2761

■ 0.4443, 0.0122,
0.0705

216.2811, 0.2487,

■ 0.0000, 0.0000,

0.2796

0.0000

262.4807, 0.2525,
0.2826

■ 32.8185, 0.1995,
0.2380

■ 32.8185, 0.1995,
0.2380

■ 32.7325, 0.1994,
0.2376

■ 35.2827, 0.2039,
0.2480

■ 38.0679, 0.2101,
0.2582

■ 41.2409, 0.2182,
0.2684

■ 44.8413, 0.2283,
0.2785

■ 48.9030, 0.2401,
0.2883

■ 53.4557, 0.2533,
0.2977

■ 58.5263, 0.2676,
0.3066

■ 64.1394, 0.2825,
0.3148

■ 70.3176, 0.2979,
0.3224

Harmonies

Analogous

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



32.8185, 0.1957, 0.2773



32.8185, 0.1995, 0.2380



32.8185, 0.2291, 0.2248

Triad

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



32.8185, 0.1995, 0.2380



32.8185, 0.4134, 0.3074



32.8185, 0.3314, 0.4502

Complementary

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



32.8185, 0.1995, 0.2380



19.7643, 0.6046, 0.3578

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.



32.8185, 0.3937, 0.4448



32.8185, 0.1995, 0.2380



32.8185, 0.4458, 0.3577

Square

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



32.8185, 0.1995, 0.2380



32.8185, 0.3506, 0.2640



32.8185, 0.4369, 0.4075



32.8185, 0.2674, 0.4099

Rectangle

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



32.8185, 0.1995, 0.2380



32.8185, 0.2623, 0.2291



32.8185, 0.4369, 0.4075



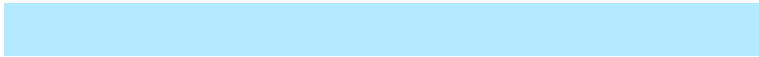
32.8185, 0.3533, 0.4532

Sweetspot

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



32.8196, 0.1995, 0.2380



75.7949, 0.2668, 0.3061



55.2879, 0.2914, 0.5686



15.6092, 0.2606, 0.3024



0.0000, 0.0000, 0.0000



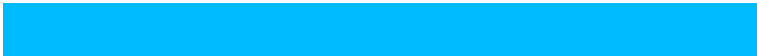
21.4041, 0.3127, 0.3290

Same Dimension

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



32.8196, 0.1995, 0.2380



42.4218, 0.1992, 0.2370



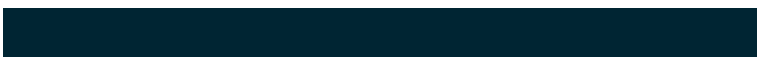
8.1541, 0.1568, 0.0842



15.6440, 0.2981, 0.3225



19.2902, 0.1998, 0.2392



1.5771, 0.2039, 0.2538

Inverse Universe

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



19.1034, 0.4043, 0.2002



24.8137, 0.4054, 0.2007



46.6979, 0.4681, 0.4664



14.5454, 0.3179, 0.3120



11.1451, 0.4032, 0.1995



0.8389, 0.3884, 0.1913

Previews

White Background



This preview shows how the Yxy color 32.8185, 0.1995, 0.2380 looks on a white background.

Color Contrast Check

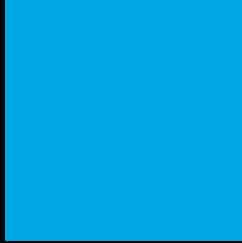
Large Text (above 18pt) WCAG AA × Fail

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 32.8185, 0.1995, 0.2380 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

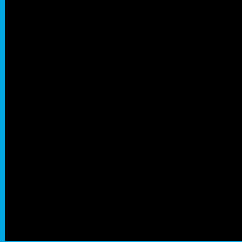
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

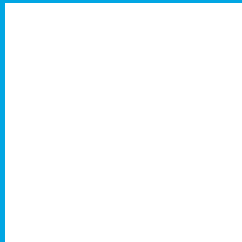
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.8185, 0.1995, 0.2380

Background



This preview shows how black text looks on a background with the Yxy color 32.8185, 0.1995, 0.2380.



This preview shows how white text looks on a background with the Yxy color 32.8185, 0.1995, 0.2380.

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

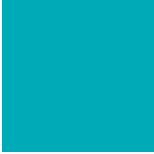
32.8249, 0.1995, 0.2380

Protanopia

32.5652, 0.2478, 0.2401

Deuteranopia

32.4887, 0.2300, 0.2236



Tritanopia

32.5865, 0.2186, 0.3068

Trichromacy



Original Color

32.8249, 0.1995, 0.2380

Protanomaly

31.2597, 0.2178, 0.2363

Deuteranomaly

31.6886, 0.2105, 0.2267

Tritanomaly

32.5461, 0.2108, 0.2787

Monochromacy



Original Color

32.8249, 0.1995, 0.2380

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

22.7007, 0.2400, 0.2885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.8185, 0.1995, 0.2380 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, 166, 227)` looks like.

```
.text, #text, p{  
    color:rgb(1, 166, 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, 166, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 166, 227) }
```

Border

The CSS property to change the border of an element to Yxy 32.8185, 0.1995, 0.2380 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, 166, 227) }
```

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

```
.border{ border-color:rgb(1, 166, 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, 166, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 166, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 166, 227);  
box-shadow:4px 4px 4px 4px rgb(1, 166,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 32.8185, 0.1995, 0.2380 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 166, 227) }
```

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

```
.background{ background-color: rgb(1, 166,  
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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