

Converting Colors

$Yxy(32.5612, 0.1928, 0.2434)$

Have a look what the booklet for
Yxy(32.5612, 0.1928, 0.2434)
contains.

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Color

Yxy(33.3871, 0.2014, 0.2448)

Conversions

Conversions Part 1

Format	Color
Hex	01A8E0
RGB	1, 168, 224
RGB Percent	0%, 66%, 88%
CMY	0.9960, 0.3412, 0.1215
CMYK	1.00, 0.25, 0.00, 0.12
HSL	195°, 99%, 44%
HSV	195°, 100%, 88%
XYZ	27.4680, 33.3871, 75.5301
YIQ	124.4510, -117.5080, -17.9880

Conversions

Conversions Part 2

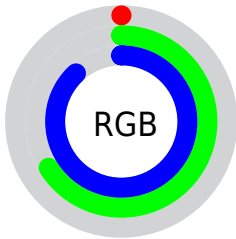
Format	Color
RYB	1, 96, 224
Decimal	108768
CIELab	64.47, -16.29, -38.30
CIELCh	64, 41.621, 246.951
Yxy	33.3871, 0.2014, 0.2448
Android (android.graphics.Color)	4278298848 (0xFF01A8E0)
YUV	124.4510, 49.0777, -108.2665
Hunter-Lab	57.7816, -16.2631, -37.0548

Details

The Yxy color **33.3871, 0.2014, 0.2448** 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 **18.7836, 0.6084, 0.3547**, and the grayscale version is **20.1752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.0595, 0.2316, 0.2898**, and **15.3179, 0.1960, 0.2255** is the 20% darker color. If you saturate the color by 10%, you get **33.2877, 0.2012, 0.2444**, and if you desaturate by 10%, it is **35.6922, 0.2056, 0.2541**.

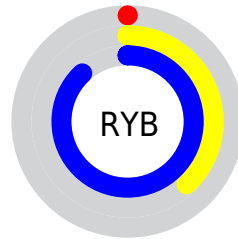
Distribution



Red (0%)

Green (66%)

Blue (88%)



Red (0%)

Yellow (38%)

Blue (88%)

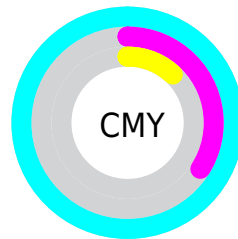


Cyan (100%)

Magenta (25%)

Yellow (0%)

Black (12%)



Cyan (100%)

Magenta (34%)

Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.3871, 0.2014, 0.2448 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 33.3871, 0.2014, 0.2448 by changing the saturation by 10% instead.

33.3871, 0.2014,
0.2448

33.3871, 0.2014,
0.2448

317.3904, 0.2568,
0.2889

22.4232, 0.1881,
0.2335

64.9794, 0.2212,
0.2611

14.1682, 0.1715,
0.2190

86.3766, 0.2288,
0.2672

8.2377, 0.1504,
0.1998

112.0203, 0.2352,
0.2723

4.2474, 0.1231,
0.1738

142.2949, 0.2407,
0.2766

1.8129, 0.0879,
0.1376

177.5848, 0.2455,
0.2803

0.4952, 0.0122,
0.0826

218.2744, 0.2497,

0.0000, 0.0000,

0.2836

0.0000

264.7482, 0.2534,
0.2864

■ 33.3871, 0.2014,
0.2448

■ 33.3871, 0.2014,
0.2448

■ 33.2877, 0.2012,
0.2444

■ 35.6922, 0.2056,
0.2541

■ 38.2962, 0.2115,
0.2635

■ 41.2632, 0.2194,
0.2729

■ 44.6312, 0.2293,
0.2823

■ 48.4327, 0.2408,
0.2913

■ 52.6961, 0.2538,
0.3000

■ 57.4473, 0.2679,
0.3082

■ 62.7097, 0.2827,
0.3159

■ 68.5051, 0.2980,
0.3229

Harmonies

Analogous

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



33.3871, 0.2011, 0.2863



33.3871, 0.2014, 0.2448



33.3871, 0.2270, 0.2287

Triad

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



33.3871, 0.2014, 0.2448



33.3871, 0.4029, 0.3024



33.3871, 0.3393, 0.4469

Complementary

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



33.3871, 0.2014, 0.2448



18.7836, 0.6084, 0.3547

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.



33.3871, 0.3978, 0.4373



33.3871, 0.2014, 0.2448



33.3871, 0.4388, 0.3508

Square

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



33.3871, 0.2014, 0.2448



33.3871, 0.3406, 0.2617



33.3871, 0.4356, 0.3994



33.3871, 0.2768, 0.4136

Rectangle

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



33.3871, 0.2014, 0.2448



33.3871, 0.2573, 0.2309



33.3871, 0.4356, 0.3994



33.3871, 0.3601, 0.4481

Sweetspot

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



33.3882, 0.2014, 0.2448



76.6070, 0.2669, 0.3077



53.6209, 0.2923, 0.5718



15.8044, 0.2609, 0.3043



0.0000, 0.0000, 0.0000



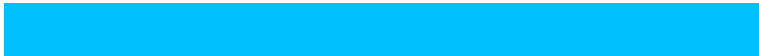
21.4041, 0.3127, 0.3290

Same Dimension

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



33.3882, 0.2014, 0.2448



44.4487, 0.2010, 0.2437



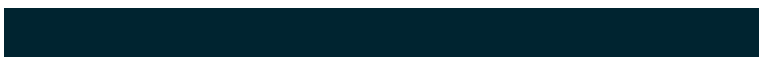
8.2924, 0.1578, 0.0877



14.9585, 0.2982, 0.3230



19.5641, 0.2016, 0.2458



1.4956, 0.2056, 0.2601

Inverse Universe

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



18.6988, 0.3974, 0.1965



25.0183, 0.3985, 0.1969



43.9565, 0.4721, 0.4631



13.8737, 0.3176, 0.3116



10.8831, 0.3964, 0.1957



0.7684, 0.3823, 0.1880

Previews

White Background



This preview shows how the Yxy color 33.3871, 0.2014, 0.2448 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 33.3871, 0.2014, 0.2448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

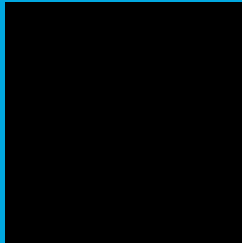
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3871, 0.2014, 0.2448

Background



This preview shows how black text looks on a background with the Yxy color 33.3871, 0.2014, 0.2448.



This preview shows how white text looks on a background with the Yxy color 33.3871, 0.2014, 0.2448.

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

33.3935, 0.2014, 0.2449

Protanopia

32.9392, 0.2527, 0.2466

Deuteranopia

33.0172, 0.2350, 0.2290



Tritanopia

33.4323, 0.2186, 0.3070

Trichromacy



Original Color

33.3935, 0.2014, 0.2449

Protanomaly

31.4863, 0.2209, 0.2428

Deuteranomaly

31.9927, 0.2133, 0.2318

Tritanomaly

33.2960, 0.2117, 0.2821

Monochromacy



Original Color

33.3935, 0.2014, 0.2449

Achromatopsia

20.1556, 0.3127, 0.3290

Achromatomaly

22.9565, 0.2411, 0.2921

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3871, 0.2014, 0.2448 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, 168, 224)` looks like.

```
.text, #text, p{  
    color:rgb(1, 168, 224)  
}
```

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, 168, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 168, 224) }
```

Border

The CSS property to change the border of an element to Yxy 33.3871, 0.2014, 0.2448 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, 168, 224) }
```

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

```
.border{ border-color:rgb(1, 168, 224) }
```

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

Here you see how a box with a 4 pixel rgb(1, 168, 224) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 168, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 168, 224);  
box-shadow:4px 4px 4px 4px rgb(1, 168,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 33.3871, 0.2014, 0.2448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 168, 224) }
```

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

```
.background{ background-color: rgb(1, 168,  
224) }
```

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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