

Converting Colors

$Y_{xy}(30.9410, 0.1982, 0.2333)$

Have a look what the booklet for
Yxy(30.9410, 0.1982, 0.2333)
contains.

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Color

Yxy(30.8780, 0.1983, 0.2336)

Conversions

Conversions Part 1

Format	Color
Hex	01A1E0
RGB	1, 161, 224
RGB Percent	0%, 63%, 88%
CMY	0.9955, 0.3686, 0.1216
CMYK	0.99, 0.28, 0.00, 0.12
HSL	197°, 99%, 44%
HSV	197°, 99%, 88%
XYZ	26.2119, 30.8780, 75.0933
YIQ	120.3420, -115.5830, -14.3270

Conversions

Conversions Part 2

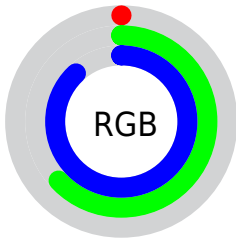
Format	Color
RYB	1, 94, 224
Decimal	106976
CIELab	62.40, -12.50, -41.52
CIELCh	62, 43.362, 253.251
Yxy	30.8780, 0.1983, 0.2336
Android (android.graphics.Color)	4278297056 (0xFF01A1E0)
YUV	120.3420, 51.1034, -104.6629
Hunter-Lab	55.5680, -13.0438, -41.2256

Details

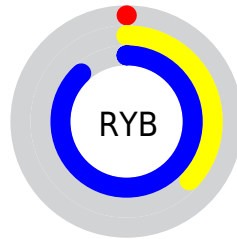
The Yxy color **30.8780, 0.1983, 0.2336** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **19.5324, 0.6012, 0.3603**, and the grayscale version is **18.7746, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.3350, 0.2292, 0.2808**, and **13.9790, 0.1924, 0.2128** is the 20% darker color. If you saturate the color by 10%, you get **30.7571, 0.1981, 0.2331**, and if you desaturate by 10%, it is **33.3298, 0.2029, 0.2441**.

Distribution



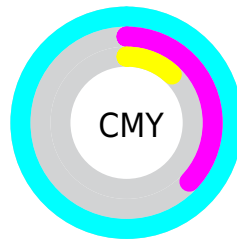
- Red (0%)
- Green (63%)
- Blue (88%)



- Red (0%)
- Yellow (37%)
- Blue (88%)



- Cyan (99%)
- Magenta (28%)
- Yellow (0%)
- Black (12%)



- Cyan (100%)
- Magenta (37%)
- Yellow (12%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.8780, 0.1983, 0.2336 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 30.8780, 0.1983, 0.2336 by changing the saturation by 10% instead.

■ 30.8780, 0.1983,
0.2336

■ 30.8780, 0.1983,
0.2336

■ 305.9759, 0.2557,
0.2834

■ 20.5060, 0.1844,
0.2209

■ 61.0479, 0.2189,
0.2520

■ 12.7634, 0.1671,
0.2048

■ 81.6146, 0.2268,
0.2588

■ 7.2658, 0.1450,
0.1836

■ 106.3484, 0.2334,
0.2646

■ 3.6289, 0.1166,
0.1552

■ 135.6335, 0.2392,
0.2695

■ 1.4682, 0.0804,
0.1168

■ 169.8544, 0.2441,
0.2737

■ 0.2662, 0.0000,
0.0474

209.3955, 0.2485,

■ 0.0000, 0.0000,

0.2774

0.0000

254.6412, 0.2523,
0.2806

■ 30.8780, 0.1983,
0.2336

■ 30.8780, 0.1983,
0.2336

■ 30.7571, 0.1981,
0.2331

■ 33.3298, 0.2029,
0.2441

■ 36.1041, 0.2093,
0.2548

■ 39.2645, 0.2177,
0.2656

■ 42.8497, 0.2280,
0.2762

■ 46.8925, 0.2400,
0.2865

■ 51.4219, 0.2533,
0.2964

■ 56.4639, 0.2677,
0.3057

■ 62.0425, 0.2827,
0.3143

■ 68.1799, 0.2981,
0.3222

Harmonies

Analogous

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



30.8780, 0.1922, 0.2714



30.8780, 0.1983, 0.2336



30.8780, 0.2306, 0.2224

Triad

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



30.8780, 0.1983, 0.2336



30.8780, 0.4203, 0.3107



30.8780, 0.3261, 0.4522

Complementary

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



30.8780, 0.1983, 0.2336



19.5324, 0.6012, 0.3603

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.



30.8780, 0.3909, 0.4498



30.8780, 0.1983, 0.2336



30.8780, 0.4503, 0.3624

Square

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



30.8780, 0.1983, 0.2336



30.8780, 0.3574, 0.2656



30.8780, 0.4376, 0.4129



30.8780, 0.2612, 0.4073

Rectangle

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



30.8780, 0.1983, 0.2336



30.8780, 0.2657, 0.2280



30.8780, 0.4376, 0.4129



30.8780, 0.3487, 0.4566

Sweetspot

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



30.8790, 0.1983, 0.2336



75.2344, 0.2666, 0.3050



53.6470, 0.2913, 0.5682



15.4747, 0.2605, 0.3011



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.



30.8790, 0.1983, 0.2336



41.0522, 0.1979, 0.2323



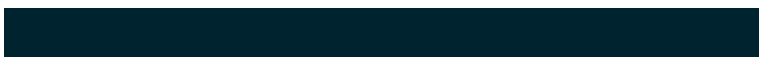
7.9492, 0.1569, 0.0846



14.8832, 0.2982, 0.3222



18.1085, 0.1985, 0.2347



1.4048, 0.2031, 0.2509

Inverse Universe

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



18.4445, 0.4088, 0.2028



24.6754, 0.4102, 0.2033



45.3529, 0.4679, 0.4664



13.8661, 0.3181, 0.3123



10.7361, 0.4078, 0.2020



0.7593, 0.3913, 0.1929

Previews

White Background



This preview shows how the Yxy color 30.8780, 0.1983, 0.2336 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 30.8780, 0.1983, 0.2336 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

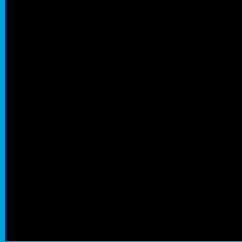
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8780, 0.1983, 0.2336

Background



This preview shows how black text looks on a background with the Yxy color 30.8780, 0.1983, 0.2336.



This preview shows how white text looks on a background with the Yxy color 30.8780, 0.1983, 0.2336.

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

30.8780, 0.1983, 0.2336

Protanopia

30.6510, 0.2444, 0.2367

Deuteranopia

30.6184, 0.2268, 0.2201



Tritanopia

30.8921, 0.2189, 0.3080

Trichromacy



Original Color

30.8780, 0.1983, 0.2336



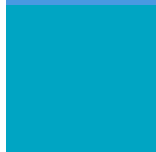
Protanomaly

29.6312, 0.2163, 0.2333



Deuteranomaly

29.6899, 0.2083, 0.2219



Tritanomaly

30.8504, 0.2109, 0.2792

Monochromacy



Original Color

30.8780, 0.1983, 0.2336



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.3743, 0.2393, 0.2858

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8780, 0.1983, 0.2336 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, 161, 224)` looks like.

```
.text, #text, p{  
    color:rgb(1, 161, 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, 161, 224) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 161, 224) }
```

Border

The CSS property to change the border of an element to Yxy 30.8780, 0.1983, 0.2336 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, 161, 224) }
```

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

```
.border{ border-color:rgb(1, 161, 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, 161, 224)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 161, 224); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 161, 224);  
box-shadow:4px 4px 4px 4px rgb(1, 161,  
224) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8780, 0.1983, 0.2336 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 161, 224) }
```

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

```
.background{ background-color: rgb(1, 161,  
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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