

Converting Colors

$Y_{xy}(24.0202, 0.0889, 0.2079)$

Have a look what the booklet for
Yxy(24.0202, 0.0889, 0.2079)
contains.

Yxy(33.5206, 0.1980, 0.2326)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(33.5206, 0.1980, 0.2326)

Conversions

Conversions Part 1

Format	Color
Hex	01A7E9
RGB	1, 167, 233
RGB Percent	0%, 65%, 91%
CMY	0.9966, 0.3451, 0.0863
CMYK	1.00, 0.28, 0.00, 0.09
HSL	197°, 99%, 46%
HSV	197°, 100%, 91%
XYZ	28.5343, 33.5206, 82.0577
YIQ	124.8900, -120.1220, -14.6660

Conversions

Conversions Part 2

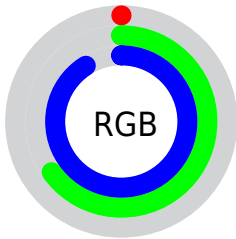
Format	Color
R _Y B	1, 98, 233
Decimal	108521
CIE Lab	64.58, -12.53, -43.07
CIE LCh	65, 44.860, 253.777
Yxy	33.5206, 0.1980, 0.2326
Android (android.graphics.Color)	4278298601 (0xFF01A7E9)
YUV	124.8900, 53.2982, -108.6515
Hunter-Lab	57.8970, -13.3467, -43.5042

Details

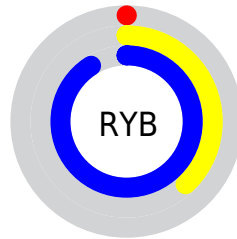
The Yxy color **33.5206, 0.1980, 0.2326** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **21.3265, 0.6015, 0.3602**, and the grayscale version is **20.3009, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.5884, 0.2316, 0.2886**, and **15.4358, 0.1918, 0.2105** is the 20% darker color. If you saturate the color by 10%, you get **33.4255, 0.1978, 0.2322**, and if you desaturate by 10%, it is **36.2026, 0.2026, 0.2432**.

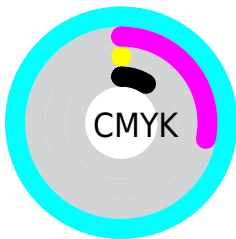
Distribution



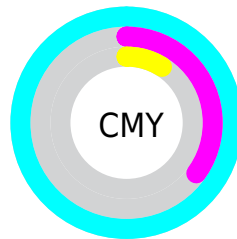
- Red (0%)
- Green (65%)
- Blue (91%)



- 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 33.5206, 0.1980, 0.2326 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 33.5206, 0.1980, 0.2326 by changing the saturation by 10% instead.


 33.5206, 0.1980,
0.2326


 33.5206, 0.1980,
0.2326


317.9891, 0.2548,
0.2822


 22.5256, 0.1845,
0.2202


 65.1875, 0.2182,
0.2507

 14.2436, 0.1678,
0.2046


 86.6281, 0.2259,
0.2575


 8.2903, 0.1467,
0.1843

 112.3193, 0.2325,
0.2632

 4.2812, 0.1197,
0.1574

 142.6456, 0.2382,
0.2681

 1.8321, 0.0855,
0.1214

 177.9914, 0.2432,
0.2724

 0.5071, 0.0242,
0.0696

218.7409, 0.2475,

 0.0000, 0.0000,

0.2761

0.0000

265.2787, 0.2513,
0.2793

■ 33.5206, 0.1980,
0.2326

■ 33.5206, 0.1980,
0.2326

■ 33.4255, 0.1978,
0.2322

■ 36.2026, 0.2026,
0.2432

■ 39.2383, 0.2089,
0.2540

■ 42.6980, 0.2173,
0.2648

■ 46.6246, 0.2276,
0.2756

■ 51.0544, 0.2396,
0.2860

■ 56.0192, 0.2530,
0.2959

■ 61.5480, 0.2674,
0.3053

■ 67.6672, 0.2825,
0.3140

■ 74.4013, 0.2978,
0.3220

Harmonies

Analogous

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



33.5206, 0.1914, 0.2701



33.5206, 0.1980, 0.2326



33.5206, 0.2309, 0.2218

Triad

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



33.5206, 0.1980, 0.2326



33.5206, 0.4219, 0.3114



33.5206, 0.3250, 0.4527

Complementary

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



33.5206, 0.1980, 0.2326



21.3265, 0.6015, 0.3602

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.



33.5206, 0.3903, 0.4509



33.5206, 0.1980, 0.2326



33.5206, 0.4513, 0.3634

Square

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



33.5206, 0.1980, 0.2326



33.5206, 0.3589, 0.2659



33.5206, 0.4378, 0.4141



33.5206, 0.2598, 0.4067

Rectangle

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



33.5206, 0.1980, 0.2326



33.5206, 0.2664, 0.2277



33.5206, 0.4378, 0.4141



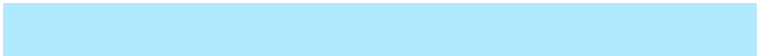
33.5206, 0.3476, 0.4574

Sweetspot

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



33.5217, 0.1980, 0.2326



75.1607, 0.2666, 0.3049



58.6855, 0.2904, 0.5652



15.4570, 0.2604, 0.3009



0.0000, 0.0000, 0.0000



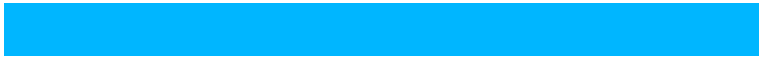
21.4041, 0.3127, 0.3290

Same Dimension

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



33.5217, 0.1980, 0.2326



40.8737, 0.1977, 0.2317



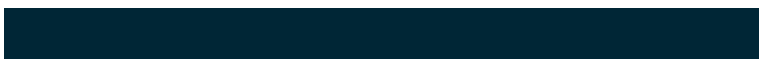
8.2710, 0.1559, 0.0811



16.3559, 0.2981, 0.3221



19.1873, 0.1983, 0.2339



1.6690, 0.2024, 0.2486

Inverse Universe

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



20.1324, 0.4099, 0.2033



24.6574, 0.4109, 0.2037



51.0720, 0.4641, 0.4695



15.2365, 0.3181, 0.3123



11.4298, 0.4086, 0.2025



0.9139, 0.3936, 0.1942

Previews

White Background



This preview shows how the Yxy color 33.5206, 0.1980, 0.2326 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 33.5206, 0.1980, 0.2326 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

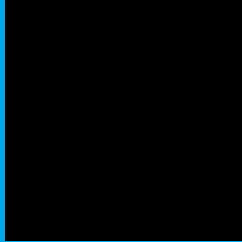
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

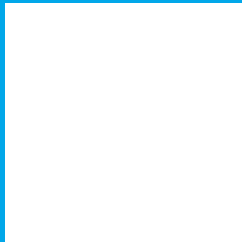
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.5206, 0.1980, 0.2326

Background



This preview shows how black text looks on a background with the Yxy color 33.5206, 0.1980, 0.2326.



This preview shows how white text looks on a background with the Yxy color 33.5206, 0.1980, 0.2326.

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

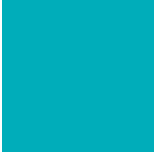
33.5271, 0.1980, 0.2326

Protanopia

33.1247, 0.2436, 0.2346

Deuteranopia

33.2807, 0.2258, 0.2197



Tritanopia

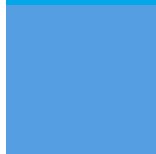
33.4323, 0.2186, 0.3070

Trichromacy



Original Color

33.5271, 0.1980, 0.2326



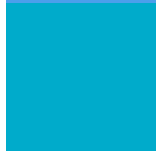
Protanomaly

31.9231, 0.2155, 0.2309



Deuteranomaly

32.2903, 0.2078, 0.2214



Tritanomaly

33.4376, 0.2105, 0.2777

Monochromacy



Original Color

33.5271, 0.1980, 0.2326



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

23.1420, 0.2391, 0.2854

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5206, 0.1980, 0.2326 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, 167, 233)` looks like.

```
.text, #text, p{  
    color:rgb(1, 167, 233)  
}
```

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, 167, 233) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 167, 233) }
```

Border

The CSS property to change the border of an element to Yxy 33.5206, 0.1980, 0.2326 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, 167, 233) }
```

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

```
.border{ border-color:rgb(1, 167, 233) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 167, 233)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 167, 233); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 167, 233);  
box-shadow:4px 4px 4px 4px rgb(1, 167,  
233) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5206, 0.1980, 0.2326 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 167, 233) }
```

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

```
.background{ background-color: rgb(1, 167,  
233) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor