

Converting Colors

$Y_{xy}(35.1798, 0.1979, 0.2322)$

Have a look what the booklet for
Yxy(35.1798, 0.1979, 0.2322)
contains.

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Color

Yxy(35.3053, 0.1982, 0.2331)

Conversions

Conversions Part 1

Format	Color
Hex	02ABEE
RGB	2, 171, 238
RGB Percent	1%, 67%, 93%
CMY	0.9919, 0.3295, 0.0666
CMYK	0.99, 0.28, 0.00, 0.07
HSL	197°, 98%, 47%
HSV	197°, 99%, 93%
XYZ	30.0193, 35.3053, 86.1352
YIQ	128.1070, -122.2310, -14.9910

Conversions

Conversions Part 2

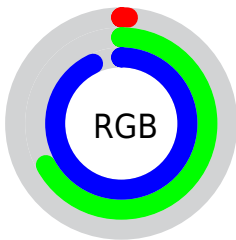
Format	Color
R _Y B	2, 100, 238
Decimal	175086
CIE Lab	65.99, -12.88, -43.62
CIE LCh	66, 45.479, 253.547
Yxy	35.3053, 0.1982, 0.2331
Android (android.graphics.Color)	4278365166 (0xFF02ABEE)
YUV	128.1070, 54.1772, -110.5958
Hunter-Lab	59.4183, -13.8000, -44.3565

Details

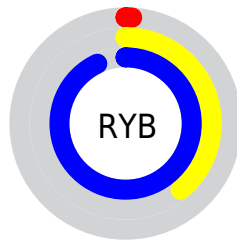
The Yxy color **35.3053, 0.1982, 0.2331** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **22.4525, 0.6006, 0.3605**, and the grayscale version is **21.4688, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8639, 0.2335, 0.2937**, and **16.5711, 0.1922, 0.2117** is the 20% darker color. If you saturate the color by 10%, you get **35.0732, 0.1978, 0.2322**, and if you desaturate by 10%, it is **38.1310, 0.2028, 0.2437**.

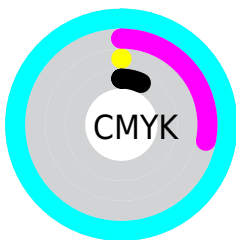
Distribution



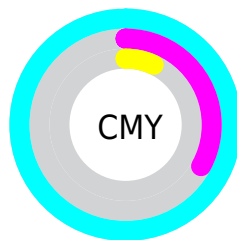
- Red (1%)
- Green (67%)
- Blue (93%)



- Red (1%)
- Yellow (39%)
- Blue (93%)



- Cyan (99%)
- Magenta (28%)
- Yellow (0%)
- Black (7%)





- Cyan (99%)
- Magenta (33%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.3053, 0.1982, 0.2331 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 35.3053, 0.1982, 0.2331 by changing the saturation by 10% instead.


 35.3053, 0.1982,
0.2331


 35.3053, 0.1982,
0.2331


325.9139, 0.2544,
0.2821

 23.8981, 0.1850,
0.2210


 67.9585, 0.2181,
0.2509

 15.2581, 0.1686,
0.2058


 89.9732, 0.2257,
0.2576

 9.0007, 0.1481,
0.1861

 116.2927, 0.2323,
0.2632

 4.7416, 0.1220,
0.1602

 147.3012, 0.2379,
0.2681

 2.0965, 0.0889,
0.1256

 183.3832, 0.2428,
0.2723

 0.6627, 0.0378,
0.0793

224.9231, 0.2471,

 0.0000, 0.0000,

0.2760

0.0000

272.3051, 0.2510,
0.2792

■ 35.3053, 0.1982,
0.2331

■ 35.3053, 0.1982,
0.2331

■ 35.0732, 0.1978,
0.2322

■ 38.1310, 0.2028,
0.2437

■ 41.3353, 0.2092,
0.2545

■ 44.9874, 0.2177,
0.2654

■ 49.1320, 0.2281,
0.2761

■ 53.8072, 0.2402,
0.2865

■ 59.0463, 0.2536,
0.2964

■ 64.8797, 0.2681,
0.3058

■ 71.3350, 0.2832,
0.3144

■ 78.4381, 0.2986,
0.3224

Harmonies

Analogous

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



35.3053, 0.1918, 0.2707



35.3053, 0.1982, 0.2331



35.3053, 0.2308, 0.2221

Triad

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



35.3053, 0.1982, 0.2331



35.3053, 0.4211, 0.3111



35.3053, 0.3255, 0.4524

Complementary

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



35.3053, 0.1982, 0.2331



22.4525, 0.6006, 0.3605

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.



35.3053, 0.3905, 0.4504



35.3053, 0.1982, 0.2331



35.3053, 0.4508, 0.3629

Square

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



35.3053, 0.1982, 0.2331



35.3053, 0.3582, 0.2658



35.3053, 0.4376, 0.4135



35.3053, 0.2605, 0.4069

Rectangle

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



35.3053, 0.1982, 0.2331



35.3053, 0.2661, 0.2279



35.3053, 0.4376, 0.4135



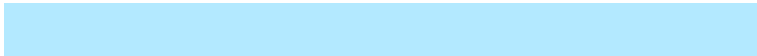
35.3053, 0.3481, 0.4569

Sweetspot

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



35.3065, 0.1982, 0.2331



75.1731, 0.2666, 0.3049



61.6020, 0.2903, 0.5646



15.4600, 0.2604, 0.3010



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.



35.3065, 0.1982, 0.2331



40.9037, 0.1977, 0.2318



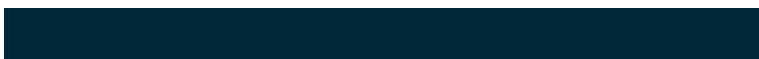
8.7501, 0.1562, 0.0816



17.1258, 0.2981, 0.3221



19.7949, 0.1983, 0.2339



1.8150, 0.2022, 0.2479

Inverse Universe

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



21.1646, 0.4093, 0.2032



24.6604, 0.4108, 0.2036



53.6804, 0.4638, 0.4695



15.9504, 0.3181, 0.3122



11.7917, 0.4086, 0.2025



0.9979, 0.3943, 0.1946

Previews

White Background



This preview shows how the Yxy color 35.3053, 0.1982, 0.2331 looks on a white background.

Color Contrast Check

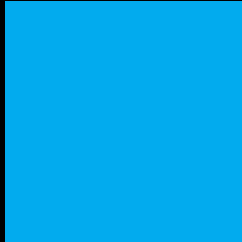
Large Text (above 18pt) WCAG AA × Fail

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 35.3053, 0.1982, 0.2331 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

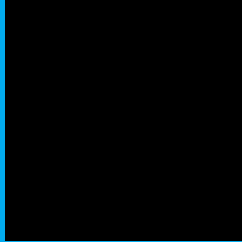
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

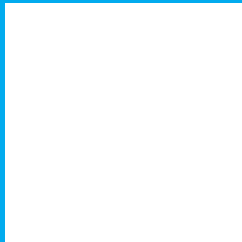
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 35.3053, 0.1982, 0.2331

Background



This preview shows how black text looks on a background with the Yxy color 35.3053, 0.1982, 0.2331.



This preview shows how white text looks on a background with the Yxy color 35.3053, 0.1982, 0.2331.

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

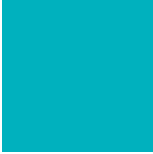
35.3118, 0.1982, 0.2332

Protanopia

34.9233, 0.2442, 0.2363

Deuteranopia

35.2121, 0.2267, 0.2208



Tritanopia

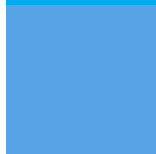
35.1620, 0.2187, 0.3075

Trichromacy



Original Color

35.3118, 0.1982, 0.2332



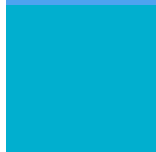
Protanomaly

33.6285, 0.2160, 0.2326



Deuteranomaly

34.1054, 0.2084, 0.2223



Tritanomaly

35.1714, 0.2108, 0.2787

Monochromacy



Original Color

35.3118, 0.1982, 0.2332



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

24.5675, 0.2392, 0.2864

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.3053, 0.1982, 0.2331 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(2, 171, 238)` looks like.

```
.text, #text, p{  
    color:rgb(2, 171, 238)  
}
```

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(2, 171, 238) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(2, 171, 238) }
```

Border

The CSS property to change the border of an element to Yxy 35.3053, 0.1982, 0.2331 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(2, 171, 238) }
```

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

```
.border{ border-color:rgb(2, 171, 238) }
```

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

Here you see how a box with a 4 pixel rgb(2, 171, 238) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(2, 171, 238); -webkit-box-  
shadow:4px 4px 4px 4px rgb(2, 171, 238);  
box-shadow:4px 4px 4px 4px rgb(2, 171,  
238) }
```


Background

The CSS property to change the background color of an element to Yxy 35.3053, 0.1982, 0.2331 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(2, 171, 238) }
```

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

```
.background{ background-color: rgb(2, 171,  
238) }
```

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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