

Converting Colors

$Y_{xy}(31.9551, 0.1816, 0.2537)$

Have a look what the booklet for
Yxy(31.9551, 0.1816, 0.2537)
contains.

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Color

Yxy(34.1878, 0.2048, 0.2572)

Conversions

Conversions Part 1

Format	Color
Hex	00ABDA
RGB	0, 171, 218
RGB Percent	0%, 67%, 85%
CMY	0.9990, 0.3294, 0.1450
CMYK	1.00, 0.22, 0.00, 0.14
HSL	193°, 100%, 43%
HSV	193°, 100%, 86%
XYZ	27.2226, 34.1878, 71.5126
YIQ	125.2290, -117.0030, -21.6350

Conversions

Conversions Part 2

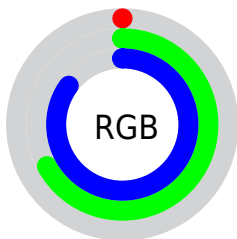
Format	Color
RYB	0, 96, 218
Decimal	43994
CIELab	65.11, -20.03, -34.00
CIELCh	65, 39.464, 239.494
Yxy	34.1878, 0.2048, 0.2572
Android (android.graphics.Color)	4278234074 (0xFF00ABDA)
YUV	125.2290, 45.7361, -109.8258
Hunter-Lab	58.4703, -19.2170, -31.5858

Details

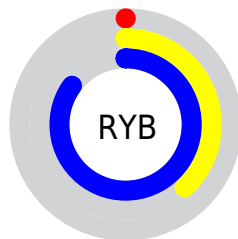
The Yxy color **34.1878, 0.2048, 0.2572** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **16.9673, 0.6160, 0.3490**, and the grayscale version is **20.4899, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5558, 0.2317, 0.2936**, and **15.8380, 0.1999, 0.2398** is the 20% darker color. If you saturate the color by 10%, you get **34.1658, 0.2048, 0.2571**, and if you desaturate by 10%, it is **36.1694, 0.2085, 0.2651**.

Distribution



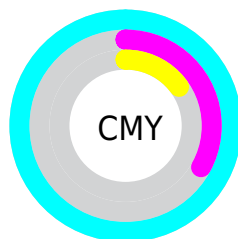
- Red (0%)
- Green (67%)
- Blue (85%)



- Red (0%)
- Yellow (38%)
- Blue (85%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (14%)





- Cyan (100%)
- Magenta (33%)
- Yellow (15%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.1878, 0.2048, 0.2572 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 34.1878, 0.2048, 0.2572 by changing the saturation by 10% instead.


 34.1878, 0.2048,
0.2572


 34.1878, 0.2048,
0.2572


320.9686, 0.2585,
0.2954


 23.0379, 0.1918,
0.2472


 66.2256, 0.2241,
0.2715


 14.6215, 0.1756,
0.2342


 87.8823, 0.2314,
0.2767


 8.5542, 0.1548,
0.2168

 113.8101, 0.2376,
0.2811

 4.4516, 0.1278,
0.1927

 144.3933, 0.2430,
0.2848

 1.9292, 0.0924,
0.1579

 180.0164, 0.2476,
0.2880

 0.5659, 0.0091,
0.1055

221.0637, 0.2517,

 0.0000, 0.0000,

0.2908

0.0000

267.9196, 0.2553,
0.2932

■ 34.1878, 0.2048,
0.2572

■ 34.1878, 0.2048,
0.2572

■ 34.1658, 0.2048,
0.2571

■ 36.1694, 0.2085,
0.2651

■ 38.4055, 0.2139,
0.2730

■ 40.9593, 0.2213,
0.2810

■ 43.8664, 0.2306,
0.2889

■ 47.1567, 0.2416,
0.2966

■ 50.8568, 0.2541,
0.3040

■ 54.9903, 0.2678,
0.3110

■ 59.5790, 0.2824,
0.3175

■ 64.6430, 0.2975,
0.3236

Harmonies

Analogous

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



34.1878, 0.2108, 0.3025



34.1878, 0.2048, 0.2572



34.1878, 0.2234, 0.2357

Triad

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



34.1878, 0.2048, 0.2572



34.1878, 0.3845, 0.2935



34.1878, 0.3530, 0.4409

Complementary

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



34.1878, 0.2048, 0.2572



16.9673, 0.6160, 0.3490

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.



34.1878, 0.4046, 0.4244



34.1878, 0.2048, 0.2572



34.1878, 0.4262, 0.3385

Square

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



34.1878, 0.2048, 0.2572



34.1878, 0.3234, 0.2576



34.1878, 0.4328, 0.3853



34.1878, 0.2933, 0.4195

Rectangle

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



34.1878, 0.2048, 0.2572



34.1878, 0.2486, 0.2341



34.1878, 0.4328, 0.3853



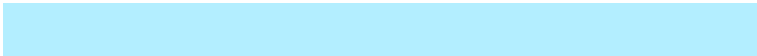
34.1878, 0.3719, 0.4391

Sweetspot

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



34.1890, 0.2048, 0.2572



78.1716, 0.2673, 0.3107



50.3397, 0.2948, 0.5812



16.1810, 0.2613, 0.3078



0.0000, 0.0000, 0.0000



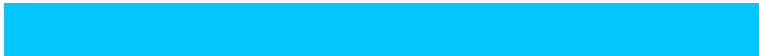
21.4041, 0.3127, 0.3290

Same Dimension

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



34.1890, 0.2048, 0.2572



48.4934, 0.2046, 0.2564



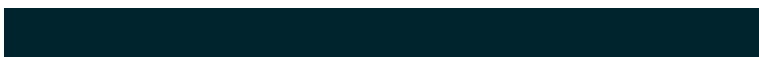
8.9142, 0.1606, 0.0982



14.3274, 0.2982, 0.3238



20.6264, 0.2051, 0.2583



1.4574, 0.2087, 0.2711

Inverse Universe

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



17.8556, 0.3851, 0.1896



25.4266, 0.3859, 0.1899



37.5944, 0.4851, 0.4529



13.2242, 0.3170, 0.3109



10.7060, 0.3841, 0.1889



0.7058, 0.3718, 0.1822

Previews

White Background



This preview shows how the Yxy color 34.1878, 0.2048, 0.2572 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 34.1878, 0.2048, 0.2572 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

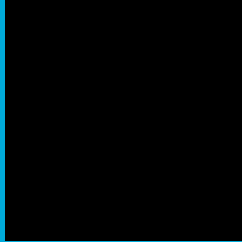
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.1878, 0.2048, 0.2572

Background



This preview shows how black text looks on a background with the Yxy color 34.1878, 0.2048, 0.2572.



This preview shows how white text looks on a background with the Yxy color 34.1878, 0.2048, 0.2572.

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

34.1878, 0.2048, 0.2572

Protanopia

33.7386, 0.2609, 0.2575

Deuteranopia

33.7849, 0.2441, 0.2374

Trichromacy



Original Color

34.1878, 0.2048, 0.2572

Protanomaly

32.3670, 0.2263, 0.2553

Deuteranomaly

32.6415, 0.2183, 0.2412

Monochromacy



Original Color

34.1878, 0.2048, 0.2572

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

23.5547, 0.2431, 0.2977

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.1878, 0.2048, 0.2572 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(0, 171, 218)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 218)  
}
```

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(0, 171, 218) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 218) }
```

Border

The CSS property to change the border of an element to Yxy 34.1878, 0.2048, 0.2572 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(0, 171, 218) }
```

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

```
.border{ border-color:rgb(0, 171, 218) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 171, 218)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 218); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 218);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
218) }
```

Background

The CSS property to change the background color of an element to Yxy 34.1878, 0.2048, 0.2572 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 218) }
```

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

```
.background{ background-color: rgb(0, 171,  
218) }
```

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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