

Converting Colors

$Yxy(34.0284, 0.1979, 0.2325)$

Have a look what the booklet for
Yxy(34.0284, 0.1979, 0.2325)
contains.

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Color

Yxy(34.0034, 0.1978, 0.2319)

Conversions

Conversions Part 1

Format	Color
Hex	01A8EB
RGB	1, 168, 235
RGB Percent	0%, 66%, 92%
CMY	0.9969, 0.3412, 0.0785
CMYK	1.00, 0.29, 0.00, 0.08
HSL	197°, 99%, 46%
HSV	197°, 100%, 92%
XYZ	29.0033, 34.0034, 83.6229
YIQ	125.7050, -121.0390, -14.5670

Conversions

Conversions Part 2

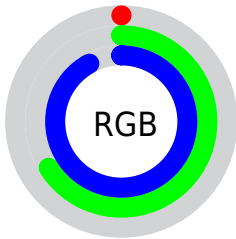
Format	Color
R _Y B	1, 98, 235
Decimal	108779
CIE Lab	64.97, -12.37, -43.56
CIE LCh	65, 45.281, 254.149
Yxy	34.0034, 0.1978, 0.2319
Android (android.graphics.Color)	4278298859 (0xFF01A8EB)
YUV	125.7050, 53.8824, -109.3663
Hunter-Lab	58.3124, -13.2648, -44.2060

Details

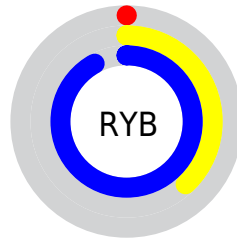
The Yxy color **34.0034, 0.1978, 0.2319** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **21.7700, 0.6013, 0.3605**, and the grayscale version is **20.5783, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.1835, 0.2323, 0.2899**, and **15.7455, 0.1916, 0.2098** is the 20% darker color. If you saturate the color by 10%, you get **33.9167, 0.1977, 0.2315**, and if you desaturate by 10%, it is **36.7436, 0.2024, 0.2426**.

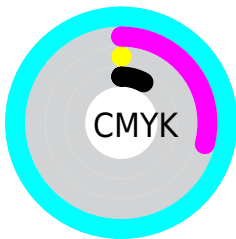
Distribution



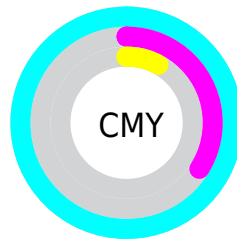
- Red (0%)
- Green (66%)
- Blue (92%)



- Red (0%)
- Yellow (38%)
- Blue (92%)



- Cyan (100%)
- Magenta (29%)
- Yellow (0%)
- Black (8%)




- Cyan (100%)
- Magenta (34%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.0034, 0.1978, 0.2319 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 34.0034, 0.1978, 0.2319 by changing the saturation by 10% instead.


 34.0034, 0.1978,
0.2319


 34.0034, 0.1978,
0.2319


320.1472, 0.2545,
0.2817


 22.8962, 0.1844,
0.2196


 65.9390, 0.2180,
0.2500


 14.5169, 0.1677,
0.2039


 87.5361, 0.2257,
0.2568

 8.4810, 0.1468,
0.1837

 113.3987, 0.2323,
0.2626

 4.4043, 0.1201,
0.1571

 143.9112, 0.2379,
0.2675

 1.9022, 0.0863,
0.1215

 179.4578, 0.2429,
0.2718

 0.5497, 0.0288,
0.0717

220.4231, 0.2472,

 0.0000, 0.0000,

0.2755

0.0000

267.1915, 0.2511,
0.2788

■ 34.0034, 0.1978,
0.2319

■ 34.0034, 0.1978,
0.2319

■ 33.9167, 0.1977,
0.2315

■ 36.7436, 0.2024,
0.2426

■ 39.8457, 0.2087,
0.2535

■ 43.3816, 0.2171,
0.2644

■ 47.3951, 0.2275,
0.2752

■ 51.9233, 0.2395,
0.2857

■ 56.9988, 0.2529,
0.2957

■ 62.6512, 0.2673,
0.3051

■ 68.9076, 0.2824,
0.3139

■ 75.7929, 0.2978,
0.3219

Harmonies

Analogous

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



34.0034, 0.1908, 0.2692



34.0034, 0.1978, 0.2319



34.0034, 0.2311, 0.2214

Triad

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



34.0034, 0.1978, 0.2319



34.0034, 0.4230, 0.3119



34.0034, 0.3241, 0.4531

Complementary

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



34.0034, 0.1978, 0.2319



21.7700, 0.6013, 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.



34.0034, 0.3898, 0.4518



34.0034, 0.1978, 0.2319



34.0034, 0.4520, 0.3641

Square

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



34.0034, 0.1978, 0.2319



34.0034, 0.3600, 0.2661



34.0034, 0.4379, 0.4150



34.0034, 0.2588, 0.4063

Rectangle

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



34.0034, 0.1978, 0.2319



34.0034, 0.2670, 0.2275



34.0034, 0.4379, 0.4150



34.0034, 0.3469, 0.4579

Sweetspot

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



34.0045, 0.1978, 0.2319



75.0877, 0.2666, 0.3047



59.8224, 0.2904, 0.5654



15.4395, 0.2604, 0.3008



0.0000, 0.0000, 0.0000



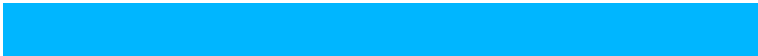
21.4041, 0.3127, 0.3290

Same Dimension

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



34.0045, 0.1978, 0.2319



40.6977, 0.1975, 0.2311



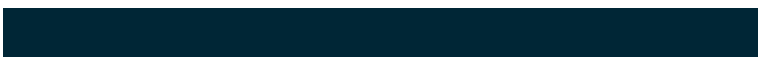
8.4167, 0.1559, 0.0809



16.3514, 0.2981, 0.3221



19.1067, 0.1981, 0.2333



1.6632, 0.2023, 0.2481

Inverse Universe

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



20.5041, 0.4106, 0.2037



24.6396, 0.4115, 0.2041



52.0447, 0.4642, 0.4695



15.2360, 0.3182, 0.3123



11.4216, 0.4092, 0.2028



0.9133, 0.3941, 0.1945

Previews

White Background



This preview shows how the Yxy color 34.0034, 0.1978, 0.2319 looks on a white background.

Color Contrast Check

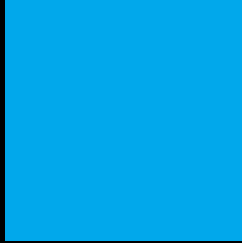
Large Text (above 18pt) WCAG AA × Fail

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 34.0034, 0.1978, 0.2319 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

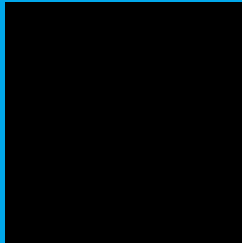
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

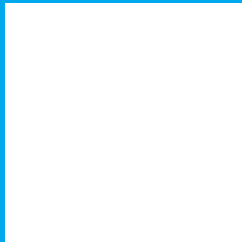
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.0034, 0.1978, 0.2319

Background



This preview shows how black text looks on a background with the Yxy color 34.0034, 0.1978, 0.2319.



This preview shows how white text looks on a background with the Yxy color 34.0034, 0.1978, 0.2319.

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

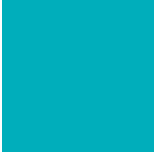
34.0099, 0.1978, 0.2319

Protanopia

33.6439, 0.2434, 0.2339

Deuteranopia

33.8015, 0.2257, 0.2192



Tritanopia

33.8600, 0.2187, 0.3071

Trichromacy



Original Color

34.0099, 0.1978, 0.2319



Protanomaly

32.3761, 0.2150, 0.2302



Deuteranomaly

32.7519, 0.2074, 0.2208



Tritanomaly

33.8647, 0.2106, 0.2780

Monochromacy



Original Color

34.0099, 0.1978, 0.2319



Achromatopsia

20.8637, 0.3127, 0.3290



Achromatomaly

23.5084, 0.2381, 0.2839

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.0034, 0.1978, 0.2319 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, 235)` looks like.

```
.text, #text, p{  
    color:rgb(1, 168, 235)  
}
```

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, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 168, 235) }
```

Border

The CSS property to change the border of an element to Yxy 34.0034, 0.1978, 0.2319 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, 235) }
```

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

```
.border{ border-color:rgb(1, 168, 235) }
```

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, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 168, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 168, 235);  
box-shadow:4px 4px 4px 4px rgb(1, 168,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 34.0034, 0.1978, 0.2319 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, 235) }
```

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

```
.background{ background-color: rgb(1, 168,  
235) }
```

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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