

Converting Colors

$Y_{xy}(30.5669, 0.1566, 0.2232)$

Have a look what the booklet for
Yxy(30.5669, 0.1566, 0.2232)
contains.

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Color

Yxy(34.8639, 0.1980, 0.2327)

Conversions

Conversions Part 1

Format	Color
Hex	00AAED
RGB	0, 170, 237
RGB Percent	0%, 67%, 93%
CMY	0.9985, 0.3334, 0.0705
CMYK	1.00, 0.28, 0.00, 0.07
HSL	197°, 100%, 47%
HSV	197°, 100%, 93%
XYZ	29.6650, 34.8639, 85.2944
YIQ	126.8080, -122.8270, -15.2030

Conversions

Conversions Part 2

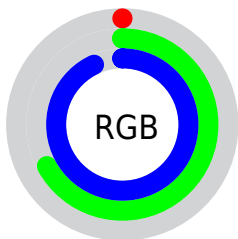
Format	Color
RYB	0, 99, 237
Decimal	43757
CIELab	65.64, -12.75, -43.60
CIELCh	66, 45.429, 253.705
Yxy	34.8639, 0.1980, 0.2327
Android (android.graphics.Color)	4278233837 (0xFF00AAED)
YUV	126.8080, 54.3247, -111.2106
Hunter-Lab	59.0457, -13.6500, -44.3154

Details

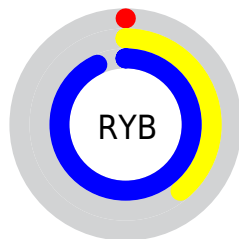
The Yxy color **34.8639, 0.1980, 0.2327** is a dark color, and the websafe version is hex **0099CC**. The color can be described as middle washed azure. A complement of this color would be **22.0703, 0.6024, 0.3597**, and the grayscale version is **21.0378, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.2586, 0.2328, 0.2924**, and **16.2931, 0.1920, 0.2111** is the 20% darker color. If you saturate the color by 10%, you get **34.8209, 0.1979, 0.2325**, and if you desaturate by 10%, it is **37.6392, 0.2025, 0.2433**.

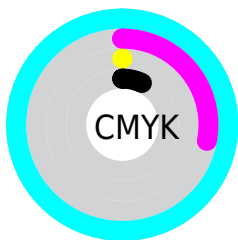
Distribution



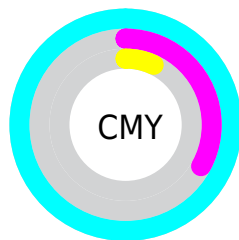
- Red (0%)
- Green (67%)
- Blue (93%)



- Red (0%)
- Yellow (39%)
- Blue (93%)



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (7%)





- Cyan (100%)
- Magenta (33%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.8639, 0.1980, 0.2327 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 34.8639, 0.1980, 0.2327 by changing the saturation by 10% instead.


 34.8639, 0.1980,
0.2327


 34.8639, 0.1980,
0.2327


323.9672, 0.2544,
0.2820

 23.5581, 0.1847,
0.2205


 67.2749, 0.2180,
0.2506


 15.0061, 0.1683,
0.2052


 89.1488, 0.2257,
0.2573


 8.8237, 0.1476,
0.1853


 115.3142, 0.2322,
0.2630

 4.6263, 0.1213,
0.1592

 146.1555, 0.2379,
0.2679

 2.0297, 0.0880,
0.1242

 182.0570, 0.2428,
0.2721

 0.6247, 0.0348,
0.0769

223.4032, 0.2471,

 0.0000, 0.0000,

0.2758

0.0000

270.5785, 0.2510,
0.2791

■ 34.8639, 0.1980,
0.2327

■ 34.8639, 0.1980,
0.2327

■ 34.8209, 0.1979,
0.2325

■ 37.6392, 0.2025,
0.2433

■ 40.7790, 0.2088,
0.2540

■ 44.3580, 0.2171,
0.2648

■ 48.4209, 0.2274,
0.2755

■ 53.0058, 0.2393,
0.2859

■ 58.1461, 0.2527,
0.2958

■ 63.8719, 0.2670,
0.3052

■ 70.2107, 0.2821,
0.3139

■ 77.1881, 0.2975,
0.3219

Harmonies

Analogous

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



34.8639, 0.1915, 0.2703



34.8639, 0.1980, 0.2327



34.8639, 0.2308, 0.2218

Triad

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



34.8639, 0.1980, 0.2327



34.8639, 0.4217, 0.3113



34.8639, 0.3251, 0.4527

Complementary

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



34.8639, 0.1980, 0.2327



22.0703, 0.6024, 0.3597

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.



34.8639, 0.3904, 0.4508



34.8639, 0.1980, 0.2327



34.8639, 0.4512, 0.3632

Square

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



34.8639, 0.1980, 0.2327



34.8639, 0.3587, 0.2658



34.8639, 0.4378, 0.4140



34.8639, 0.2600, 0.4068

Rectangle

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



34.8639, 0.1980, 0.2327



34.8639, 0.2663, 0.2277



34.8639, 0.4378, 0.4140



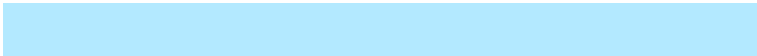
34.8639, 0.3478, 0.4573

Sweetspot

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



34.8651, 0.1980, 0.2327



75.2110, 0.2666, 0.3050



60.9417, 0.2915, 0.5693



15.4691, 0.2604, 0.3011



0.0000, 0.0000, 0.0000



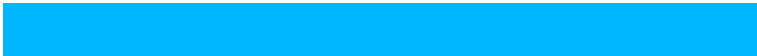
21.4041, 0.3127, 0.3290

Same Dimension

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



34.8651, 0.1980, 0.2327



40.9953, 0.1978, 0.2321



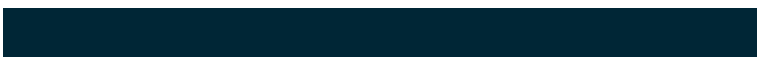
8.9076, 0.1566, 0.0836



16.3589, 0.2981, 0.3222



19.2430, 0.1984, 0.2343



1.6730, 0.2025, 0.2490

Inverse Universe

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



20.9170, 0.4098, 0.2032



24.6696, 0.4104, 0.2035



51.3813, 0.4684, 0.4662



15.2368, 0.3181, 0.3123



11.4354, 0.4082, 0.2022



0.9143, 0.3933, 0.1940

Previews

White Background



This preview shows how the Yxy color 34.8639, 0.1980, 0.2327 looks on a white background.

Color Contrast Check

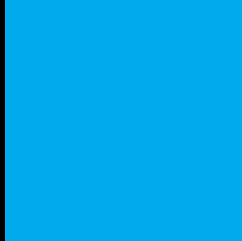
Large Text (above 18pt) WCAG AA × Fail

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 34.8639, 0.1980, 0.2327 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

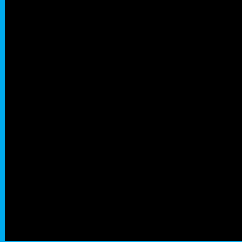
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

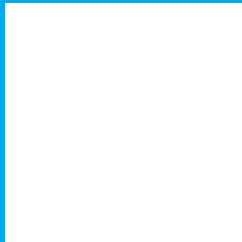
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.8639, 0.1980, 0.2327

Background



This preview shows how black text looks on a background with the Yxy color 34.8639, 0.1980, 0.2327.



This preview shows how white text looks on a background with the Yxy color 34.8639, 0.1980, 0.2327.

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

34.8639, 0.1980, 0.2327

Protanopia

34.5022, 0.2433, 0.2347

Deuteranopia

34.7381, 0.2264, 0.2203



Tritanopia

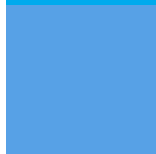
34.7248, 0.2187, 0.3074

Trichromacy



Original Color

34.8639, 0.1980, 0.2327



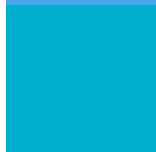
Protanomaly

33.2291, 0.2152, 0.2310



Deuteranomaly

33.6504, 0.2080, 0.2218



Tritanomaly

34.7283, 0.2107, 0.2785

Monochromacy



Original Color

34.8639, 0.1980, 0.2327



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

24.1843, 0.2388, 0.2861

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.8639, 0.1980, 0.2327 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, 170, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 237)  
}
```

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, 170, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 237) }
```

Border

The CSS property to change the border of an element to Yxy 34.8639, 0.1980, 0.2327 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, 170, 237) }
```

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

```
.border{ border-color:rgb(0, 170, 237) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 170, 237)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 34.8639, 0.1980, 0.2327 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 237) }
```

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

```
.background{ background-color: rgb(0, 170,  
237) }
```

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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