

Converting Colors

$Y_{xy}(34.6672, 0.1966, 0.2279)$

Have a look what the booklet for
Yxy(34.6672, 0.1966, 0.2279)
contains.

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Color

Yxy(34.6672, 0.1966, 0.2279)

Conversions

Conversions Part 1

Format	Color
Hex	00A9F0
RGB	0, 169, 240
RGB Percent	0%, 66%, 94%
CMY	1.0000, 0.3372, 0.0589
CMYK	1.00, 0.30, 0.00, 0.06
HSL	198°, 100%, 47%
HSV	198°, 100%, 94%
XYZ	29.9060, 34.6672, 87.5427
YIQ	126.5630, -123.5150, -13.7470

Conversions

Conversions Part 2

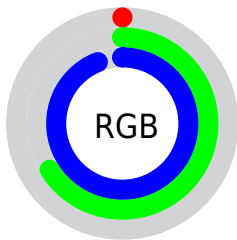
Format	Color
RYB	0, 99, 240
Decimal	43504
CIELab	65.49, -11.17, -45.48
CIELCh	65, 46.826, 256.202
Yxy	34.6672, 0.1966, 0.2279
Android (android.graphics.Color)	4278233584 (0xFF00A9F0)
YUV	126.5630, 55.9244, -110.9958
Hunter-Lab	58.8789, -12.3736, -46.9388

Details

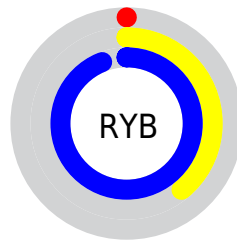
The Yxy color **34.6672, 0.1966, 0.2279** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **23.0254, 0.6000, 0.3618**, and the grayscale version is **20.9067, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.7825, 0.2329, 0.2912**, and **16.1833, 0.1903, 0.2052** is the 20% darker color. If you saturate the color by 10%, you get **34.6738, 0.1967, 0.2279**, and if you desaturate by 10%, it is **37.5811, 0.2013, 0.2390**.

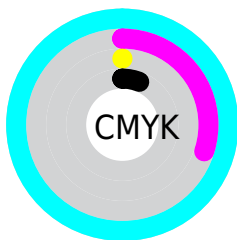
Distribution



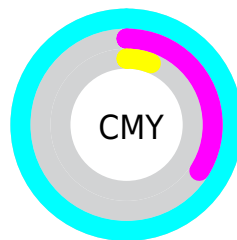
- Red (0%)
- Green (66%)
- Blue (94%)



- Red (0%)
- Yellow (39%)
- Blue (94%)



- Cyan (100%)
- Magenta (30%)
- Yellow (0%)
- Black (6%)




- Cyan (100%)
- Magenta (34%)
- Yellow (6%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 34.6672, 0.1966, 0.2279 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 34.6672, 0.1966, 0.2279 by changing the saturation by 10% instead.

 34.6672, 0.1966,
0.2279


 34.6672, 0.1966,
0.2279


323.0969, 0.2536,
0.2793


 23.4066, 0.1832,
0.2153


 66.9699, 0.2168,
0.2465

 14.8940, 0.1667,
0.1995

 88.7808, 0.2245,
0.2535


 8.7451, 0.1459,
0.1792


 114.8773, 0.2312,
0.2595

 4.5753, 0.1196,
0.1527

 145.6437, 0.2369,
0.2646

 2.0003, 0.0865,
0.1178

 181.4645, 0.2419,
0.2690

 0.6076, 0.0356,
0.0710

222.7240, 0.2463,

 0.0000, 0.0000,

0.2729

0.0000

269.8067, 0.2501,
0.2763

■ 34.6672, 0.1966,
0.2279

■ 34.6672, 0.1966,
0.2279

■ 34.6738, 0.1967,
0.2279

■ 37.5811, 0.2013,
0.2390

■ 40.8739, 0.2077,
0.2503

■ 44.6295, 0.2162,
0.2616

■ 48.8946, 0.2266,
0.2728

■ 53.7086, 0.2387,
0.2837

■ 59.1065, 0.2522,
0.2941

■ 65.1195, 0.2667,
0.3040

■ 71.7763, 0.2818,
0.3131

■ 79.1036, 0.2972,
0.3214

Harmonies

Analogous

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



34.6672, 0.1876, 0.2639



34.6672, 0.1966, 0.2279



34.6672, 0.2323, 0.2191

Triad

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



34.6672, 0.1966, 0.2279



34.6672, 0.4295, 0.3148



34.6672, 0.3193, 0.4551

Complementary

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



34.6672, 0.1966, 0.2279



23.0254, 0.6000, 0.3618

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.



34.6672, 0.3872, 0.4565



34.6672, 0.1966, 0.2279



34.6672, 0.4561, 0.3683

Square

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



34.6672, 0.1966, 0.2279



34.6672, 0.3663, 0.2674



34.6672, 0.4385, 0.4200



34.6672, 0.2532, 0.4038

Rectangle

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



34.6672, 0.1966, 0.2279



34.6672, 0.2701, 0.2264



34.6672, 0.4385, 0.4200



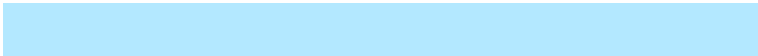
34.6672, 0.3427, 0.4611

Sweetspot

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



34.6738, 0.1967, 0.2279



74.6705, 0.2665, 0.3039



62.7300, 0.2906, 0.5661



15.3394, 0.2603, 0.2998



0.0000, 0.0000, 0.0000



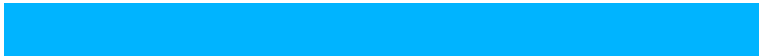
21.4041, 0.3127, 0.3290

Same Dimension

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



34.6738, 0.1967, 0.2279



39.6985, 0.1966, 0.2276



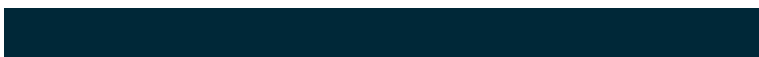
8.7463, 0.1557, 0.0803



17.0935, 0.2981, 0.3219



19.2255, 0.1972, 0.2297



1.7713, 0.2012, 0.2443

Inverse Universe

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



21.3884, 0.4148, 0.2059



24.5387, 0.4152, 0.2061



54.4852, 0.4645, 0.4694



15.9471, 0.3183, 0.3125



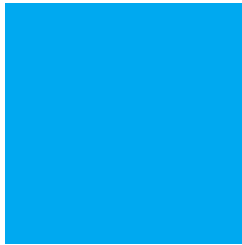
11.7342, 0.4129, 0.2048



0.9935, 0.3979, 0.1966

Previews

White Background



This preview shows how the Yxy color 34.6672, 0.1966, 0.2279 looks on a white background.

Color Contrast Check

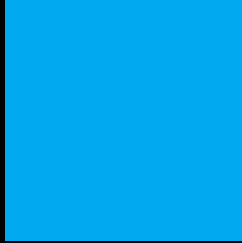
Large Text (above 18pt) WCAG AA × Fail

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 34.6672, 0.1966, 0.2279 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

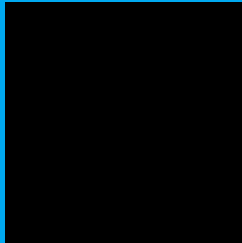
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

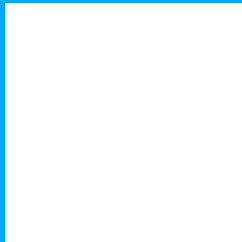
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 34.6672, 0.1966, 0.2279

Background



This preview shows how black text looks on a background with the Yxy color 34.6672, 0.1966, 0.2279.



This preview shows how white text looks on a background with the Yxy color 34.6672, 0.1966, 0.2279.

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

34.6672, 0.1966, 0.2279

Protanopia

34.5024, 0.2403, 0.2312

Deuteranopia

34.6378, 0.2228, 0.2167



Tritanopia

34.7248, 0.2187, 0.3074

Trichromacy



Original Color

34.6672, 0.1966, 0.2279



Protanomaly

33.3042, 0.2131, 0.2275



Deuteranomaly

33.7073, 0.2059, 0.2184



Tritanomaly

34.4412, 0.2094, 0.2740

Monochromacy



Original Color

34.6672, 0.1966, 0.2279



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

23.9225, 0.2378, 0.2826

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.6672, 0.1966, 0.2279 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, 169, 240)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 240)  
}
```

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, 169, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 240) }
```

Border

The CSS property to change the border of an element to Yxy 34.6672, 0.1966, 0.2279 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, 169, 240) }
```

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

```
.border{ border-color:rgb(0, 169, 240) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 240)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 240);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 34.6672, 0.1966, 0.2279 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 240) }
```

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

```
.background{ background-color: rgb(0, 169,  
240) }
```

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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