

Converting Colors

$Y_{xy}(26.5715, 0.1207, 0.2132)$

Have a look what the booklet for
Yxy(26.5715, 0.1207, 0.2132)
contains.

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Color

Yxy(33.6356, 0.1973, 0.2303)

Conversions

Conversions Part 1

Format	Color
Hex	00A7EB
RGB	0, 167, 235
RGB Percent	0%, 65%, 92%
CMY	1.0000, 0.3451, 0.0783
CMYK	1.00, 0.29, 0.00, 0.08
HSL	197°, 100%, 46%
HSV	197°, 100%, 92%
XYZ	28.8159, 33.6356, 83.5997
YIQ	124.8190, -121.3600, -14.2560

Conversions

Conversions Part 2

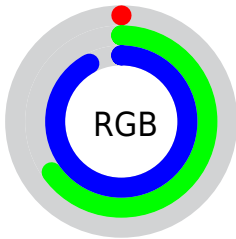
Format	Color
RYB	0, 98, 235
Decimal	42987
CIELab	64.67, -11.83, -44.05
CIELCh	65, 45.609, 254.964
Yxy	33.6356, 0.1973, 0.2303
Android (android.graphics.Color)	4278233067 (0xFF00A7EB)
YUV	124.8190, 54.3192, -109.4663
Hunter-Lab	57.9962, -12.8041, -44.8673

Details

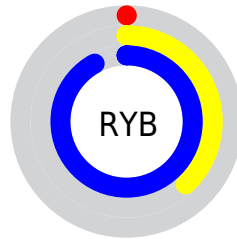
The Yxy color **33.6356, 0.1973, 0.2303** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle washed azure. A complement of this color would be **21.8077, 0.6013, 0.3608**, and the grayscale version is **20.2907, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6507, 0.2320, 0.2886**, and **15.5161, 0.1911, 0.2078** is the 20% darker color. If you saturate the color by 10%, you get **33.6381, 0.1973, 0.2303**, and if you desaturate by 10%, it is **36.3852, 0.2019, 0.2411**.

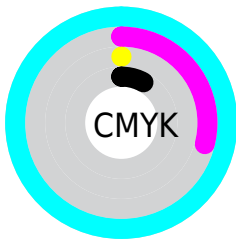
Distribution



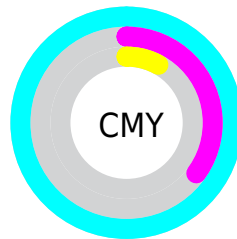
- Red (0%)
- Green (65%)
- Blue (92%)



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



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




- Cyan (100%)
- Magenta (35%)
- Yellow (8%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6356, 0.1973, 0.2303 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 33.6356, 0.1973, 0.2303 by changing the saturation by 10% instead.


 33.6356, 0.1973,
0.2303


 33.6356, 0.1973,
0.2303


318.5041, 0.2543,
0.2809

 22.6138, 0.1838,
0.2178


 65.3666, 0.2176,
0.2487

 14.3086, 0.1670,
0.2019


 86.8446, 0.2253,
0.2556

 8.3356, 0.1460,
0.1815


 112.5767, 0.2320,
0.2615

 4.3104, 0.1191,
0.1546

 142.9475, 0.2377,
0.2665

 1.8487, 0.0852,
0.1187

 178.3412, 0.2426,
0.2708

 0.5173, 0.0267,
0.0680

219.1423, 0.2470,

 0.0000, 0.0000,

0.2746

0.0000

265.7351, 0.2509,
0.2780

■ 33.6356, 0.1973,
0.2303

■ 33.6356, 0.1973,
0.2303

■ 33.6381, 0.1973,
0.2303

■ 36.3852, 0.2019,
0.2411

■ 39.4937, 0.2082,
0.2521

■ 43.0374, 0.2166,
0.2632

■ 47.0608, 0.2269,
0.2741

■ 51.6010, 0.2389,
0.2848

■ 56.6910, 0.2523,
0.2949

■ 62.3606, 0.2668,
0.3045

■ 68.6368, 0.2818,
0.3134

■ 75.5448, 0.2973,
0.3216

Harmonies

Analogous

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



33.6356, 0.1895, 0.2671



33.6356, 0.1973, 0.2303



33.6356, 0.2315, 0.2204

Triad

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



33.6356, 0.1973, 0.2303



33.6356, 0.4256, 0.3130



33.6356, 0.3222, 0.4539

Complementary

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



33.6356, 0.1973, 0.2303



21.8077, 0.6013, 0.3608

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.



33.6356, 0.3888, 0.4536



33.6356, 0.1973, 0.2303



33.6356, 0.4537, 0.3657

Square

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



33.6356, 0.1973, 0.2303



33.6356, 0.3625, 0.2666



33.6356, 0.4382, 0.4170



33.6356, 0.2566, 0.4053

Rectangle

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



33.6356, 0.1973, 0.2303



33.6356, 0.2682, 0.2270



33.6356, 0.4382, 0.4170



33.6356, 0.3453, 0.4592

Sweetspot

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



33.6381, 0.1973, 0.2303



74.9400, 0.2666, 0.3044



59.8394, 0.2905, 0.5659



15.4041, 0.2604, 0.3004



0.0000, 0.0000, 0.0000



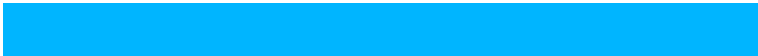
21.4041, 0.3127, 0.3290

Same Dimension

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



33.6381, 0.1973, 0.2303



40.3424, 0.1972, 0.2298



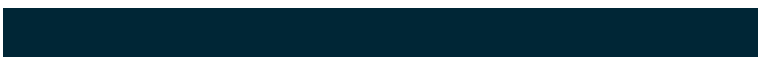
8.3615, 0.1557, 0.0805



16.3424, 0.2981, 0.3220



18.9441, 0.1978, 0.2320



1.6515, 0.2020, 0.2471

Inverse Universe

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



20.4589, 0.4123, 0.2045



24.6037, 0.4128, 0.2048



51.9972, 0.4644, 0.4695



15.2351, 0.3182, 0.3124



11.4052, 0.4105, 0.2035



0.9121, 0.3951, 0.1950

Previews

White Background



This preview shows how the Yxy color 33.6356, 0.1973, 0.2303 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 33.6356, 0.1973, 0.2303 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

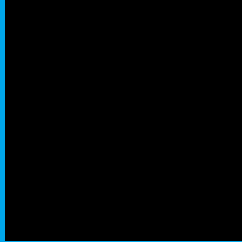
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.6356, 0.1973, 0.2303

Background



This preview shows how black text looks on a background with the Yxy color 33.6356, 0.1973, 0.2303.



This preview shows how white text looks on a background with the Yxy color 33.6356, 0.1973, 0.2303.

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

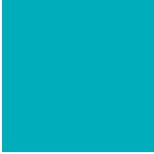
33.6356, 0.1973, 0.2303

Protanopia

33.1508, 0.2418, 0.2322

Deuteranopia

33.3287, 0.2243, 0.2176



Tritanopia

33.4323, 0.2186, 0.3070

Trichromacy



Original Color

33.6356, 0.1973, 0.2303



Protanomaly

31.9865, 0.2142, 0.2285



Deuteranomaly

32.3665, 0.2066, 0.2192



Tritanomaly

33.4855, 0.2101, 0.2763

Monochromacy



Original Color

33.6356, 0.1973, 0.2303



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

23.1783, 0.2384, 0.2837

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6356, 0.1973, 0.2303 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, 167, 235)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 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(0, 167, 235) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 235) }
```

Border

The CSS property to change the border of an element to Yxy 33.6356, 0.1973, 0.2303 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, 167, 235) }
```

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

```
.border{ border-color:rgb(0, 167, 235) }
```

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

Here you see how a box with a 4 pixel rgb(0, 167, 235) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 235); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 235);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
235) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6356, 0.1973, 0.2303 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 235) }
```

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

```
.background{ background-color: rgb(0, 167,  
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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