

Converting Colors

$Y_{xy}(33.6008, 0.1955, 0.2239)$

Have a look what the booklet for
Yxy(33.6008, 0.1955, 0.2239)
contains.

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Color

Yxy(33.5637, 0.1954, 0.2233)

Conversions

Conversions Part 1

Format	Color
Hex	01A6F0
RGB	1, 166, 240
RGB Percent	0%, 65%, 94%
CMY	0.9977, 0.3491, 0.0588
CMYK	1.00, 0.31, 0.00, 0.06
HSL	199°, 100%, 47%
HSV	199°, 100%, 94%
XYZ	29.3701, 33.5637, 87.3738
YIQ	125.1010, -122.0940, -11.9660

Conversions

Conversions Part 2

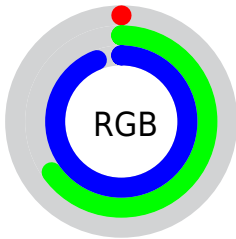
Format	Color
R_{YB}	1, 99, 240
Decimal	108272
CIE _{Lab}	64.61, -9.44, -46.86
CIE _{LCh}	65, 47.805, 258.605
Yxy	33.5637, 0.1954, 0.2233
Android (android.graphics.Color)	4278298352 (0xFF01A6F0)
YUV	125.1010, 56.6452, -108.8366
Hunter-Lab	57.9342, -10.8931, -48.8647

Details

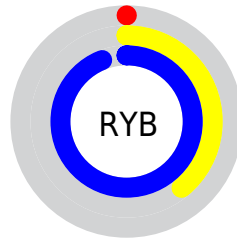
The Yxy color **33.5637, 0.1954, 0.2233** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **23.5076, 0.5961, 0.3646**, and the grayscale version is **20.3364, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.1841, 0.2321, 0.2874**, and **15.4953, 0.1887, 0.1993** is the 20% darker color. If you saturate the color by 10%, you get **33.4940, 0.1953, 0.2230**, and if you desaturate by 10%, it is **36.5384, 0.2002, 0.2349**.

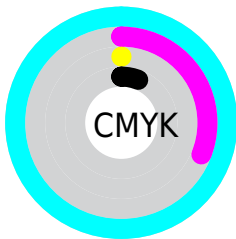
Distribution



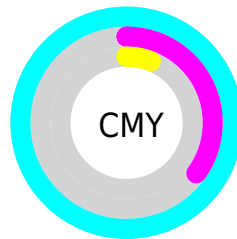
- Red (0%)
- Green (65%)
- Blue (94%)



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



- Cyan (100%)
- Magenta (31%)
- Yellow (0%)
- Black (6%)




- Cyan (100%)
- Magenta (35%)
- Yellow (6%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.5637, 0.1954, 0.2233 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 33.5637, 0.1954, 0.2233 by changing the saturation by 10% instead.


 33.5637, 0.1954,
0.2233


 33.5637, 0.1954,
0.2233


318.1822, 0.2532,
0.2769

 22.5586, 0.1818,
0.2102


 65.2546, 0.2159,
0.2427


 14.2679, 0.1650,
0.1938


 86.7092, 0.2238,
0.2500


 8.3073, 0.1439,
0.1728


 112.4158, 0.2305,
0.2562

 4.2922, 0.1172,
0.1456

 142.7588, 0.2363,
0.2616

 1.8383, 0.0837,
0.1101

 178.1225, 0.2414,
0.2662

 0.5109, 0.0304,
0.0610

218.8914, 0.2458,

 0.0000, 0.0000,

0.2702

0.0000

265.4498, 0.2497,
0.2738

■ 33.5637, 0.1954,
0.2233

■ 33.5637, 0.1954,
0.2233

■ 33.4940, 0.1953,
0.2230

■ 36.5384, 0.2002,
0.2349

■ 39.9139, 0.2069,
0.2467

■ 43.7665, 0.2156,
0.2586

■ 48.1429, 0.2263,
0.2704

■ 53.0829, 0.2386,
0.2818

■ 58.6214, 0.2523,
0.2928

■ 64.7901, 0.2669,
0.3031

■ 71.6177, 0.2821,
0.3126

■ 79.1313, 0.2976,
0.3213

Harmonies

Analogous

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



33.5637, 0.1839, 0.2576



33.5637, 0.1954, 0.2233



33.5637, 0.2340, 0.2165

Triad

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



33.5637, 0.1954, 0.2233



33.5637, 0.4371, 0.3184



33.5637, 0.3134, 0.4571

Complementary

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



33.5637, 0.1954, 0.2233



23.5076, 0.5961, 0.3646

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.



33.5637, 0.3839, 0.4621



33.5637, 0.1954, 0.2233



33.5637, 0.4607, 0.3733

Square

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



33.5637, 0.1954, 0.2233



33.5637, 0.3739, 0.2691



33.5637, 0.4389, 0.4260



33.5637, 0.2465, 0.4005

Rectangle

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



33.5637, 0.1954, 0.2233



33.5637, 0.2740, 0.2252



33.5637, 0.4389, 0.4260



33.5637, 0.3374, 0.4647

Sweetspot

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



33.5648, 0.1954, 0.2233



74.0918, 0.2664, 0.3027



62.8019, 0.2895, 0.5619



15.2008, 0.2601, 0.2984



0.0000, 0.0000, 0.0000



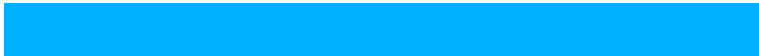
21.4041, 0.3127, 0.3290

Same Dimension

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



33.5648, 0.1954, 0.2233



38.3351, 0.1952, 0.2226



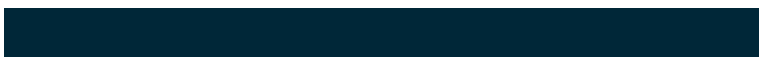
8.4488, 0.1550, 0.0779



17.0563, 0.2981, 0.3215



18.5809, 0.1958, 0.2249



1.7216, 0.2001, 0.2402

Inverse Universe

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



21.2924, 0.4197, 0.2087



24.4011, 0.4204, 0.2090



56.2823, 0.4603, 0.4726



15.9433, 0.3185, 0.3128



11.6691, 0.4180, 0.2076



0.9885, 0.4021, 0.1989

Previews

White Background



This preview shows how the Yxy color 33.5637, 0.1954, 0.2233 looks on a white background.

Color Contrast Check

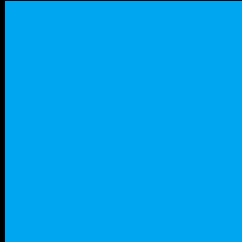
Large Text (above 18pt) WCAG AA × Fail

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 33.5637, 0.1954, 0.2233 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

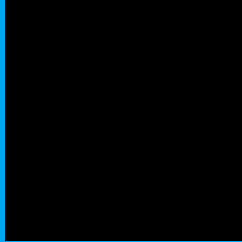
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

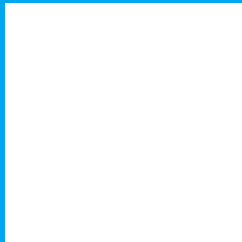
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.5637, 0.1954, 0.2233

Background



This preview shows how black text looks on a background with the Yxy color 33.5637, 0.1954, 0.2233.

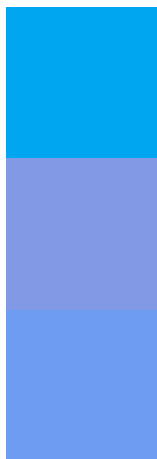


This preview shows how white text looks on a background with the Yxy color 33.5637, 0.1954, 0.2233.

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

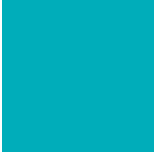
33.5702, 0.1954, 0.2233

Protanopia

33.1854, 0.2369, 0.2263

Deuteranopia

33.5630, 0.2190, 0.2131



Tritanopia

33.4323, 0.2186, 0.3070

Trichromacy



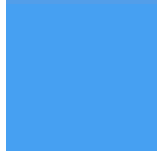
Original Color

33.5702, 0.1954, 0.2233



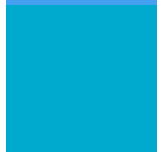
Protanomaly

32.1759, 0.2113, 0.2229



Deuteranomaly

32.8545, 0.2038, 0.2152



Tritanomaly

33.2057, 0.2088, 0.2718

Monochromacy



Original Color

33.5702, 0.1954, 0.2233



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

23.2517, 0.2371, 0.2804

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.5637, 0.1954, 0.2233 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, 166, 240)` looks like.

```
.text, #text, p{  
    color:rgb(1, 166, 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(1, 166, 240) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 166, 240) }
```

Border

The CSS property to change the border of an element to Yxy 33.5637, 0.1954, 0.2233 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, 166, 240) }
```

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

```
.border{ border-color:rgb(1, 166, 240) }
```

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

Here you see how a box with a 4 pixel rgb(1, 166, 240) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 166, 240); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 166, 240);  
box-shadow:4px 4px 4px 4px rgb(1, 166,  
240) }
```


Background

The CSS property to change the background color of an element to Yxy 33.5637, 0.1954, 0.2233 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 166, 240) }
```

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

```
.background{ background-color: rgb(1, 166,  
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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