

Converting Colors

$Y_{xy}(32.6217, 0.1822, 0.2052)$

Have a look what the booklet for
Yxy(32.6217, 0.1822, 0.2052)
contains.

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Color

Yxy(33.6428, 0.1909, 0.2071)

Conversions

Conversions Part 1

Format	Color
Hex	01A4FD
RGB	1, 164, 253
RGB Percent	0%, 64%, 99%
CMY	0.9975, 0.3569, 0.0078
CMYK	1.00, 0.35, 0.00, 0.01
HSL	201°, 99%, 50%
HSV	201°, 100%, 99%
XYZ	31.0112, 33.6428, 97.7932
YIQ	125.4090, -125.7170, -6.8770

Conversions

Conversions Part 2

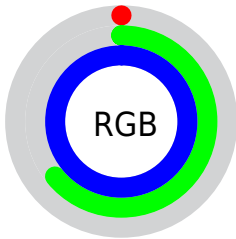
Format	Color
R _Y B	1, 100, 253
Decimal	107773
CIE Lab	64.68, -3.54, -53.87
CIE LCh	65, 53.981, 266.245
Yxy	33.6428, 0.1909, 0.2071
Android (android.graphics.Color)	4278297853 (0xFF01A4FD)
YUV	125.4090, 62.9024, -109.1067
Hunter-Lab	58.0024, -6.0687, -59.3624

Details

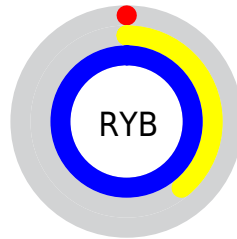
The Yxy color **33.6428, 0.1909, 0.2071** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **28.1397, 0.5854, 0.3732**, and the grayscale version is **20.4288, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.3278, 0.2326, 0.2850**, and **15.7958, 0.1843, 0.1835** is the 20% darker color. If you saturate the color by 10%, you get **33.5593, 0.1908, 0.2068**, and if you desaturate by 10%, it is **37.1655, 0.1962, 0.2204**.

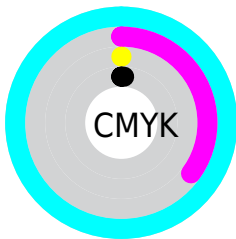
Distribution



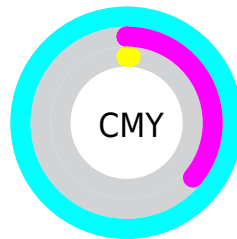
- Red (0%)
- Green (64%)
- Blue (99%)



- Red (0%)
- Yellow (39%)
- Blue (99%)



- Cyan (100%)
- Magenta (35%)
- Yellow (0%)
- Black (1%)





- Cyan (100%)
- Magenta (36%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6428, 0.1909, 0.2071 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 33.6428, 0.1909, 0.2071 by changing the saturation by 10% instead.


 33.6428, 0.1909,
0.2071


 33.6428, 0.1909,
0.2071


318.5364, 0.2505,
0.2674

 22.6193, 0.1771,
0.1929


 65.3778, 0.2119,
0.2285


 14.3127, 0.1601,
0.1755


 86.8581, 0.2200,
0.2367


 8.3385, 0.1392,
0.1537


 112.5929, 0.2269,
0.2437

 4.3123, 0.1130,
0.1264

 142.9664, 0.2329,
0.2497

 1.8497, 0.0809,
0.0923

 178.3631, 0.2382,
0.2550

 0.5179, 0.0380,
0.0485

219.1674, 0.2428,

 0.0000, 0.0000,

0.2597

0.0000

265.7637, 0.2469,
0.2638

■ 33.6428, 0.1909,
0.2071

■ 33.6428, 0.1909,
0.2071

■ 33.5593, 0.1908,
0.2068

■ 37.1655, 0.1962,
0.2204

■ 41.1922, 0.2034,
0.2341

■ 45.8093, 0.2128,
0.2478

■ 51.0716, 0.2241,
0.2615

■ 57.0257, 0.2371,
0.2747

■ 63.7128, 0.2513,
0.2874

■ 71.1701, 0.2664,
0.2992

■ 79.4318, 0.2819,
0.3102

■ 88.5297, 0.2976,
0.3202

Harmonies

Analogous

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



33.6428, 0.1708, 0.2356



33.6428, 0.1909, 0.2071



33.6428, 0.2403, 0.2072

Triad

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



33.6428, 0.1909, 0.2071



33.6428, 0.4647, 0.3307



33.6428, 0.2916, 0.4644

Complementary

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



33.6428, 0.1909, 0.2071



28.1397, 0.5854, 0.3732

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.



33.6428, 0.3710, 0.4832



33.6428, 0.1909, 0.2071



33.6428, 0.4765, 0.3911

Square

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



33.6428, 0.1909, 0.2071



33.6428, 0.4024, 0.2749



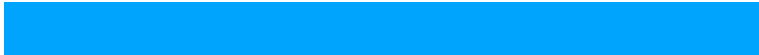
33.6428, 0.4393, 0.4484



33.6428, 0.2222, 0.3874

Rectangle

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



33.6428, 0.1909, 0.2071



33.6428, 0.2887, 0.2208



33.6428, 0.4393, 0.4484



33.6428, 0.3181, 0.4781

Sweetspot

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



33.6439, 0.1909, 0.2071



72.2401, 0.2659, 0.2989



70.9801, 0.2861, 0.5497



14.7580, 0.2595, 0.2940



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.



33.6439, 0.1909, 0.2071



34.1501, 0.1908, 0.2067



8.5144, 0.1530, 0.0706



19.3399, 0.2980, 0.3204



18.1356, 0.1914, 0.2089



1.9715, 0.1956, 0.2242

Inverse Universe

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



23.5779, 0.4373, 0.2184



23.9786, 0.4377, 0.2185



69.5637, 0.4490, 0.4816



18.1852, 0.3192, 0.3137



12.5588, 0.4353, 0.2172



1.2436, 0.4188, 0.2081

Previews

White Background



This preview shows how the Yxy color 33.6428, 0.1909, 0.2071 looks on a white background.

Color Contrast Check

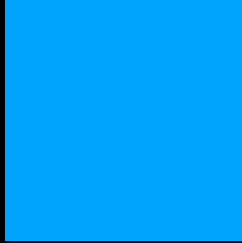
Large Text (above 18pt) WCAG AA × Fail

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 33.6428, 0.1909, 0.2071 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

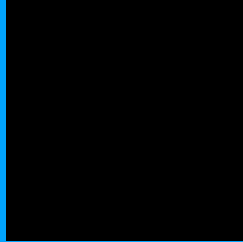
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

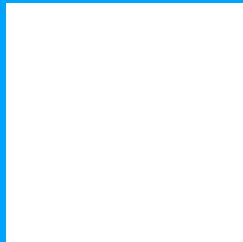
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.6428, 0.1909, 0.2071

Background



This preview shows how black text looks on a background with the Yxy color 33.6428, 0.1909, 0.2071.

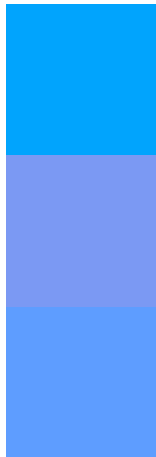


This preview shows how white text looks on a background with the Yxy color 33.6428, 0.1909, 0.2071.

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

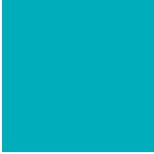
33.6492, 0.1909, 0.2071

Protanopia

33.4645, 0.2254, 0.2110

Deuteranopia

33.7136, 0.2070, 0.2010



Tritanopia

33.4323, 0.2186, 0.3070

Trichromacy



Original Color

33.6492, 0.1909, 0.2071

Protanomaly

32.4916, 0.2041, 0.2068

Deuteranomaly

33.2580, 0.1970, 0.2027

Tritanomaly

33.4026, 0.2073, 0.2662

Monochromacy



Original Color

33.6492, 0.1909, 0.2071

Achromatopsia

20.5079, 0.3127, 0.3290

Achromatomaly

23.1493, 0.2335, 0.2705

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6428, 0.1909, 0.2071 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, 164, 253)` looks like.

```
.text, #text, p{  
    color:rgb(1, 164, 253)  
}
```

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, 164, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 164, 253) }
```

Border

The CSS property to change the border of an element to Yxy 33.6428, 0.1909, 0.2071 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, 164, 253) }
```

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

```
.border{ border-color:rgb(1, 164, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 164, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 164, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 164, 253);  
box-shadow:4px 4px 4px 4px rgb(1, 164,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6428, 0.1909, 0.2071 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 164, 253) }
```

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

```
.background{ background-color: rgb(1, 164,  
253) }
```

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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