

# Converting Colors

$Yxy(33.9166, 0.1911, 0.2078)$

Have a look what the booklet for  
Yxy(33.9166, 0.1911, 0.2078)  
contains.

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# Color

**Yxy(34.0086, 0.1913, 0.2086)**

# Conversions

## Conversions Part 1

Format	Color
Hex	00A5FD
RGB	0, 165, 253
RGB Percent	0%, 65%, 99%
CMY	0.9988, 0.3529, 0.0079
CMYK	1.00, 0.35, 0.00, 0.01
HSL	201°, 100%, 50%
HSV	201°, 100%, 99%
XYZ	31.1881, 34.0086, 97.8359
YIQ	125.6970, -126.5880, -7.6120

# Conversions

## Conversions Part 2

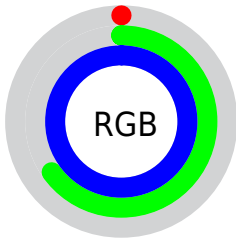
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	0, 100, 253
Decimal	42493
CIE Lab	64.97, -4.14, -53.39
CIE LCh	65, 53.551, 265.569
Yxy	34.0086, 0.1913, 0.2086
Android (android.graphics.Color)	4278232573 (0xFF00A5FD)
YUV	125.6970, 62.7604, -110.2363
Hunter-Lab	58.3169, -6.5920, -58.6466

# Details

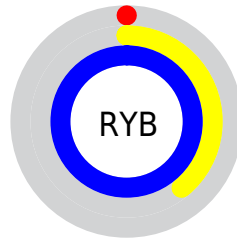
The Yxy color **34.0086, 0.1913, 0.2086** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **27.9049, 0.5869, 0.3721**, and the grayscale version is **20.6075, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8511, 0.2329, 0.2863**, and **16.0201, 0.1848, 0.1853** is the 20% darker color. If you saturate the color by 10%, you get **33.9693, 0.1912, 0.2084**, and if you desaturate by 10%, it is **37.5100, 0.1965, 0.2217**.

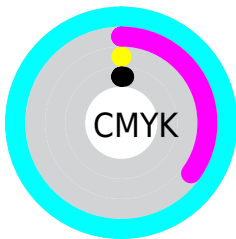
# Distribution



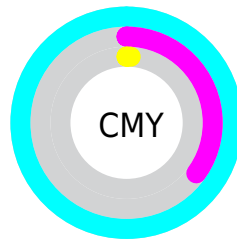
- Red (0%)
- Green (65%)
- Blue (99%)



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



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




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


# Brightness & Saturation Gradients

These gradients show how the Yxy color 34.0086, 0.1913, 0.2086 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 34.0086, 0.1913, 0.2086 by changing the saturation by 10% instead.





 34.0086, 0.1913,  
0.2086


 34.0086, 0.1913,  
0.2086


320.1704, 0.2506,  
0.2682


 22.9002, 0.1776,  
0.1946


 65.9470, 0.2122,  
0.2297


 14.5198, 0.1607,  
0.1773


 87.5459, 0.2202,  
0.2378

 8.4831, 0.1398,  
0.1557


 113.4103, 0.2272,  
0.2448

 4.4056, 0.1138,  
0.1285

 143.9248, 0.2331,  
0.2508

 1.9029, 0.0818,  
0.0946

 179.4736, 0.2384,  
0.2560

 0.5501, 0.0393,  
0.0512

220.4412, 0.2429,

 0.0000, 0.0000,

0.2605

0.0000

267.2120, 0.2470,  
0.2646

■ 34.0086, 0.1913,  
0.2086

■ 34.0086, 0.1913,  
0.2086

■ 33.9693, 0.1912,  
0.2084

■ 37.5100, 0.1965,  
0.2217

■ 41.5079, 0.2037,  
0.2352

■ 46.0896, 0.2129,  
0.2488

■ 51.3099, 0.2242,  
0.2622

■ 57.2154, 0.2370,  
0.2753

■ 63.8471, 0.2512,  
0.2878

■ 71.2422, 0.2662,  
0.2995

■ 79.4347, 0.2817,  
0.3103

■ 88.4563, 0.2974,  
0.3202

# Harmonies

## Analogous

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



34.0086, 0.1720, 0.2377



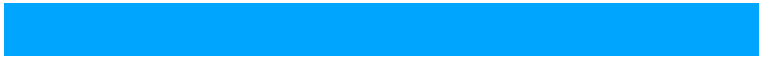
34.0086, 0.1913, 0.2086



34.0086, 0.2396, 0.2080

# Triad

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



34.0086, 0.1913, 0.2086



34.0086, 0.4621, 0.3295



34.0086, 0.2937, 0.4638

# Complementary

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



34.0086, 0.1913, 0.2086



27.9049, 0.5869, 0.3721

# 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.



34.0086, 0.3723, 0.4811



34.0086, 0.1913, 0.2086



34.0086, 0.4751, 0.3894

# Square

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



34.0086, 0.1913, 0.2086



34.0086, 0.3996, 0.2743



34.0086, 0.4394, 0.4462

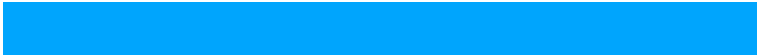


34.0086, 0.2245, 0.3887



# Rectangle

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



34.0086, 0.1913, 0.2086



34.0086, 0.2872, 0.2212



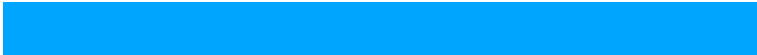
34.0086, 0.4394, 0.4462



34.0086, 0.3200, 0.4768

# Sweetspot

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



34.0097, 0.1913, 0.2086



72.4334, 0.2660, 0.2993



70.8916, 0.2873, 0.5544



14.8041, 0.2596, 0.2945



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

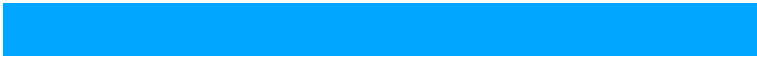


# Same Dimension

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



34.0097, 0.1913, 0.2086



34.5743, 0.1912, 0.2084



8.7787, 0.1535, 0.0726



19.3544, 0.2980, 0.3205



18.3561, 0.1918, 0.2106



1.9919, 0.1960, 0.2256



# Inverse Universe

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



23.6038, 0.4356, 0.2174



24.0214, 0.4359, 0.2175



67.4055, 0.4528, 0.4786



18.1866, 0.3192, 0.3136



12.5810, 0.4335, 0.2162



1.2456, 0.4173, 0.2072



# Previews

## White Background



This preview shows how the Yxy color 34.0086, 0.1913, 0.2086 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

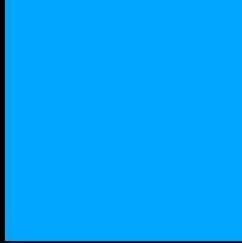
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 34.0086, 0.1913, 0.2086 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

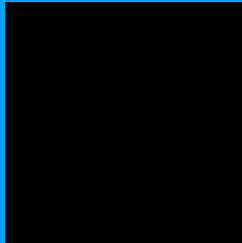
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

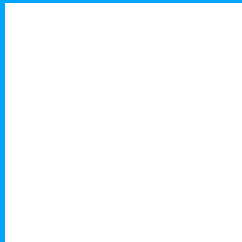
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 34.0086, 0.1913, 0.2086**

## **Background**



This preview shows how black text looks on a background with the Yxy color 34.0086, 0.1913, 0.2086.



This preview shows how white text looks on a background with the Yxy color 34.0086, 0.1913, 0.2086.

# 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

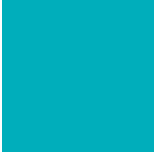
34.0021, 0.1913, 0.2086

### Protanopia

33.8674, 0.2262, 0.2125

### Deuteranopia

33.8207, 0.2079, 0.2013



## **Tritanopia**

33.8600, 0.2187, 0.3071

# Trichromacy



## Original Color

34.0021, 0.1913, 0.2086



## Protanomaly

32.8314, 0.2044, 0.2082



## Deuteranomaly

33.2895, 0.1973, 0.2028



## Tritanomaly

33.8290, 0.2074, 0.2665

# Monochromacy



## Original Color

34.0021, 0.1913, 0.2086



## Achromatopsia

20.8637, 0.3127, 0.3290



## Achromatomaly

23.4402, 0.2339, 0.2724

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 34.0086, 0.1913, 0.2086 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, 165, 253)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 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(0, 165, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 253) }
```

## Border

The CSS property to change the border of an element to Yxy 34.0086, 0.1913, 0.2086 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, 165, 253) }
```

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

```
.border{ border-color:rgb(0, 165, 253) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 165, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 253);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
253) }
```



# Background

The CSS property to change the background color of an element to Yxy 34.0086, 0.1913, 0.2086 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 253) }
```

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

```
.background{ background-color: rgb(0, 165,  
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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