

Converting Colors

$Y_{xy}(36.7408, 0.1944, 0.2197)$

Have a look what the booklet for
Yxy(36.7408, 0.1944, 0.2197)
contains.

Yxy(36.6033, 0.1941, 0.2187)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(36.6033, 0.1941, 0.2187)

Conversions

Conversions Part 1

Format	Color
Hex	00ACFD
RGB	0, 172, 253
RGB Percent	0%, 67%, 99%
CMY	0.9992, 0.3254, 0.0079
CMYK	1.00, 0.32, 0.00, 0.01
HSL	199°, 100%, 50%
HSV	199°, 100%, 99%
XYZ	32.4861, 36.6033, 98.2783
YIQ	129.8060, -128.5130, -11.2730

Conversions

Conversions Part 2

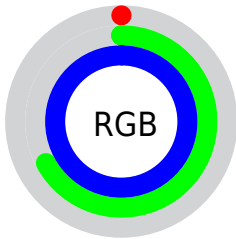
Format	Color
RYB	0, 102, 253
Decimal	44285
CIELab	66.98, -8.08, -50.22
CIELCh	67, 50.863, 260.862
Yxy	36.6033, 0.1941, 0.2187
Android (android.graphics.Color)	4278234365 (0xFF00ACFD)
YUV	129.8060, 60.7346, -113.8399
Hunter-Lab	60.5007, -10.0299, -53.9612

Details

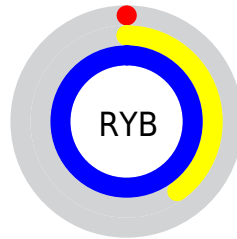
The Yxy color **36.6033, 0.1941, 0.2187** is a dark color, and the websafe version is hex **0099FF**. The color can be described as middle saturated azure. A complement of this color would be **26.7948, 0.5942, 0.3663**, and the grayscale version is **22.0931, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6029, 0.2348, 0.2951**, and **17.4185, 0.1878, 0.1961** is the 20% darker color. If you saturate the color by 10%, you get **36.5784, 0.1941, 0.2186**, and if you desaturate by 10%, it is **39.9964, 0.1990, 0.2308**.

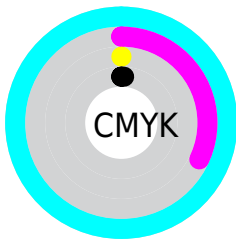
Distribution



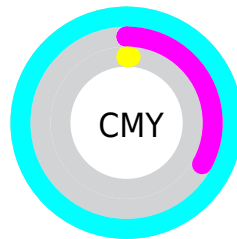
- Red (0%)
- Green (67%)
- Blue (99%)



- Red (0%)
- Yellow (40%)
- Blue (99%)



- Cyan (100%)
- Magenta (32%)
- Yellow (0%)
- Black (1%)





- Cyan (100%)
- Magenta (33%)
- Yellow (1%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6033, 0.1941, 0.2187 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 36.6033, 0.1941, 0.2187 by changing the saturation by 10% instead.


 36.6033, 0.1941,
0.2187


 36.6033, 0.1941,
0.2187


331.5898, 0.2516,
0.2735

 24.9005, 0.1808,
0.2057


 69.9622, 0.2143,
0.2382


 16.0029, 0.1646,
0.1896


 92.3872, 0.2221,
0.2457

 9.5262, 0.1445,
0.1693


 119.1549, 0.2288,
0.2520

 5.0860, 0.1192,
0.1434

 150.6499, 0.2346,
0.2575

 2.2978, 0.0879,
0.1103

 187.2564, 0.2396,
0.2623

 0.7725, 0.0481,
0.0691

229.3590, 0.2441,

 0.0000, 0.0000,

0.2665

0.0000

277.3420, 0.2480,
0.2702

■ 36.6033, 0.1941,
0.2187

■ 36.6033, 0.1941,
0.2187

■ 36.5784, 0.1941,
0.2186

■ 39.9964, 0.1990,
0.2308

■ 43.8535, 0.2057,
0.2431

■ 48.2615, 0.2146,
0.2555

■ 53.2745, 0.2254,
0.2678

■ 58.9381, 0.2378,
0.2797

■ 65.2924, 0.2516,
0.2911

■ 72.3739, 0.2664,
0.3018

■ 80.2157, 0.2817,
0.3118

■ 88.8487, 0.2973,
0.3208

Harmonies

Analogous

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



36.6033, 0.1802, 0.2514



36.6033, 0.1941, 0.2187



36.6033, 0.2357, 0.2138

Triad

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



36.6033, 0.1941, 0.2187



36.6033, 0.4447, 0.3218



36.6033, 0.3074, 0.4593

Complementary

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



36.6033, 0.1941, 0.2187



26.7948, 0.5942, 0.3663

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.



36.6033, 0.3805, 0.4678



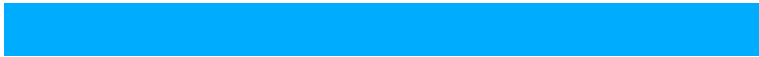
36.6033, 0.1941, 0.2187



36.6033, 0.4653, 0.3783

Square

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



36.6033, 0.1941, 0.2187



36.6033, 0.3817, 0.2707



36.6033, 0.4392, 0.4322



36.6033, 0.2397, 0.3971

Rectangle

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



36.6033, 0.1941, 0.2187



36.6033, 0.2779, 0.2239



36.6033, 0.4392, 0.4322



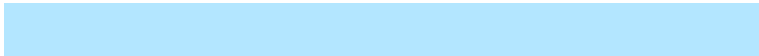
36.6033, 0.3322, 0.4685

Sweetspot

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



36.6045, 0.1941, 0.2187



73.6132, 0.2663, 0.3017



70.8330, 0.2885, 0.5586



15.0862, 0.2600, 0.2973



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.



36.6045, 0.1941, 0.2187



37.2273, 0.1941, 0.2186



9.0901, 0.1541, 0.0748



19.4426, 0.2980, 0.3212



19.7338, 0.1946, 0.2206



2.1190, 0.1984, 0.2344

Inverse Universe

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



23.8657, 0.4246, 0.2113



24.2893, 0.4248, 0.2114



65.3396, 0.4566, 0.4756



18.1955, 0.3187, 0.3130



12.7201, 0.4226, 0.2102



1.2585, 0.4081, 0.2022

Previews

White Background



This preview shows how the Yxy color 36.6033, 0.1941, 0.2187 looks on a white background.

Color Contrast Check

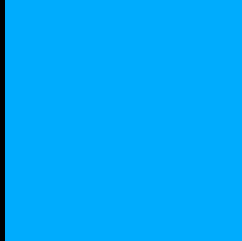
Large Text (above 18pt) WCAG AA × Fail

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 36.6033, 0.1941, 0.2187 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

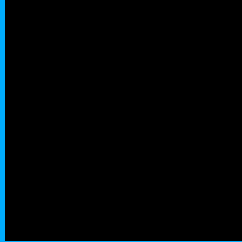
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

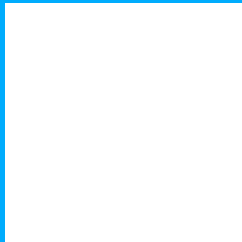
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.6033, 0.1941, 0.2187

Background



This preview shows how black text looks on a background with the Yxy color 36.6033, 0.1941, 0.2187.



This preview shows how white text looks on a background with the Yxy color 36.6033, 0.1941, 0.2187.

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

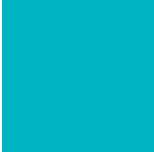
36.5969, 0.1941, 0.2187

Protanopia

36.1936, 0.2333, 0.2217

Deuteranopia

36.4402, 0.2161, 0.2099



Tritanopia

36.4928, 0.2188, 0.3078

Trichromacy



Original Color

36.5969, 0.1941, 0.2187



Protanomaly

35.1360, 0.2091, 0.2183



Deuteranomaly

35.7678, 0.2022, 0.2119



Tritanomaly

36.3506, 0.2086, 0.2709

Monochromacy



Original Color

36.5969, 0.1941, 0.2187



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

25.1849, 0.2357, 0.2770

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6033, 0.1941, 0.2187 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, 172, 253)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 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, 172, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 253) }
```

Border

The CSS property to change the border of an element to Yxy 36.6033, 0.1941, 0.2187 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, 172, 253) }
```

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

```
.border{ border-color:rgb(0, 172, 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, 172, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 253);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6033, 0.1941, 0.2187 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 253) }
```

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

```
.background{ background-color: rgb(0, 172,  
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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