

Converting Colors

$Yxy(31.8182, 0.1517, 0.2073)$

Have a look what the booklet for
Yxy(31.8182, 0.1517, 0.2073)
contains.

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Color

Yxy(36.6608, 0.1938, 0.2177)

Conversions

Conversions Part 1

Format	Color
Hex	00ACFE
RGB	0, 172, 254
RGB Percent	0%, 67%, 100%
CMY	1.0000, 0.3254, 0.0040
CMYK	1.00, 0.32, 0.00, 0.00
HSL	199°, 100%, 50%
HSV	199°, 100%, 100%
XYZ	32.6360, 36.6608, 99.1037
YIQ	129.9200, -128.8340, -10.9620

Conversions

Conversions Part 2

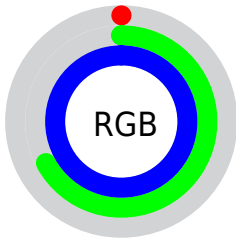
Format	Color
RYB	0, 103, 254
Decimal	44286
CIELab	67.02, -7.73, -50.68
CIELCh	67, 51.268, 261.331
Yxy	36.6608, 0.1938, 0.2177
Android (android.graphics.Color)	4278234366 (0xFF00ACFE)
YUV	129.9200, 61.1714, -113.9398
Hunter-Lab	60.5482, -9.7461, -54.6607

Details

The Yxy color **36.6608, 0.1938, 0.2177** 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 **27.0967, 0.5938, 0.3667**, and the grayscale version is **22.1092, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.6029, 0.2348, 0.2951**, and **17.4642, 0.1875, 0.1950** is the 20% darker color. If you saturate the color by 10%, you get **36.6636, 0.1938, 0.2177**, and if you desaturate by 10%, it is **40.0927, 0.1987, 0.2299**.

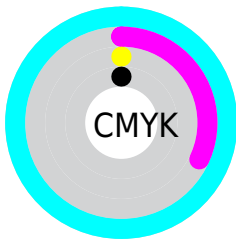
Distribution



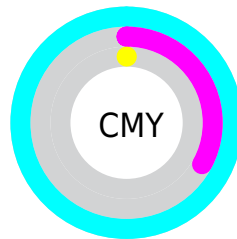
- Red (0%)
- Green (67%)
- Blue (100%)



- Red (0%)
- Yellow (40%)
- Blue (100%)



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





- Cyan (100%)
- Magenta (33%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6608, 0.1938, 0.2177 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 36.6608, 0.1938, 0.2177 by changing the saturation by 10% instead.


 36.6608, 0.1938,
0.2177


 36.6608, 0.1938,
0.2177


331.8396, 0.2514,
0.2729

 24.9450, 0.1805,
0.2047


 70.0508, 0.2140,
0.2373


 16.0361, 0.1643,
0.1885


 92.4937, 0.2218,
0.2448

 9.5497, 0.1442,
0.1682

 119.2812, 0.2285,
0.2512

 5.1014, 0.1190,
0.1423

 150.7975, 0.2343,
0.2568

 2.3069, 0.0878,
0.1092

 187.4271, 0.2394,
0.2616

 0.7774, 0.0484,
0.0683

229.5544, 0.2439,

 0.0000, 0.0000,

0.2658

0.0000

277.5638, 0.2478,
0.2695

■ 36.6608, 0.1938,
0.2177

■ 36.6608, 0.1938,
0.2177

■ 36.6636, 0.1938,
0.2177

■ 40.0927, 0.1987,
0.2299

■ 43.9925, 0.2055,
0.2423

■ 48.4506, 0.2143,
0.2548

■ 53.5216, 0.2251,
0.2672

■ 59.2516, 0.2376,
0.2792

■ 65.6815, 0.2515,
0.2907

■ 72.8480, 0.2663,
0.3015

■ 80.7846, 0.2816,
0.3116

■ 89.5228, 0.2972,
0.3207

Harmonies

Analogous

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



36.6608, 0.1794, 0.2501



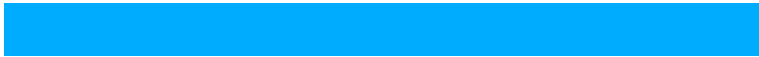
36.6608, 0.1938, 0.2177



36.6608, 0.2360, 0.2132

Triad

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



36.6608, 0.1938, 0.2177



36.6608, 0.4464, 0.3225



36.6608, 0.3061, 0.4598

Complementary

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



36.6608, 0.1938, 0.2177



27.0967, 0.5938, 0.3667

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.



36.6608, 0.3797, 0.4691



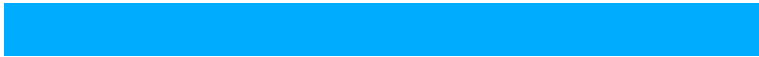
36.6608, 0.1938, 0.2177



36.6608, 0.4663, 0.3793

Square

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



36.6608, 0.1938, 0.2177



36.6608, 0.3834, 0.2711



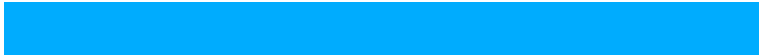
36.6608, 0.4393, 0.4335



36.6608, 0.2383, 0.3964

Rectangle

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



36.6608, 0.1938, 0.2177



36.6608, 0.2788, 0.2236



36.6608, 0.4393, 0.4335



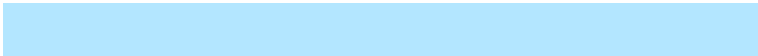
36.6608, 0.3311, 0.4693

Sweetspot

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



36.6636, 0.1938, 0.2177



73.5110, 0.2662, 0.3015



71.4559, 0.2886, 0.5588



15.0617, 0.2599, 0.2971



0.0000, 0.0000, 0.0000



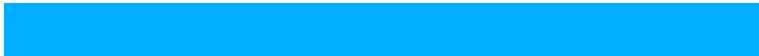
21.4041, 0.3127, 0.3290

Same Dimension

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



36.6636, 0.1938, 0.2177



36.9931, 0.1938, 0.2177



9.1527, 0.1541, 0.0747



19.4349, 0.2980, 0.3211



19.6123, 0.1944, 0.2197



2.1079, 0.1982, 0.2336

Inverse Universe

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



24.0459, 0.4257, 0.2119



24.2656, 0.4257, 0.2119



65.8945, 0.4567, 0.4756



18.1948, 0.3188, 0.3130



12.7078, 0.4236, 0.2107



1.2573, 0.4089, 0.2026

Previews

White Background



This preview shows how the Yxy color 36.6608, 0.1938, 0.2177 looks on a white background.

Color Contrast Check

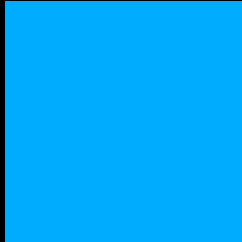
Large Text (above 18pt) WCAG AA × Fail

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 36.6608, 0.1938, 0.2177 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

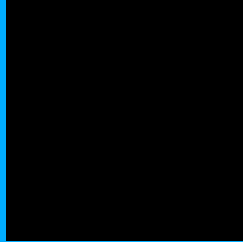
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

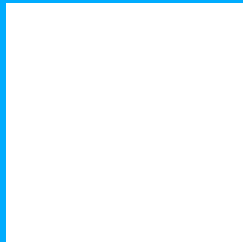
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.6608, 0.1938, 0.2177

Background



This preview shows how black text looks on a background with the Yxy color 36.6608, 0.1938, 0.2177.

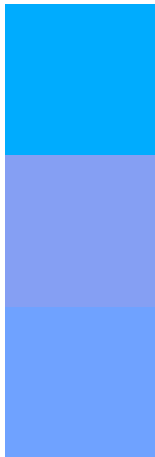


This preview shows how white text looks on a background with the Yxy color 36.6608, 0.1938, 0.2177.

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

36.6608, 0.1938, 0.2177

Protanopia

36.2539, 0.2328, 0.2207

Deuteranopia

36.4402, 0.2161, 0.2099

Trichromacy



Original Color

36.6608, 0.1938, 0.2177

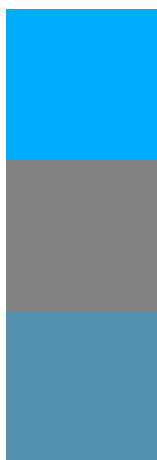
Protanomaly

35.1976, 0.2087, 0.2172

Deuteranomaly

35.8320, 0.2019, 0.2110

Monochromacy



Original Color

36.6608, 0.1938, 0.2177

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 36.6608, 0.1938, 0.2177 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, 254)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 254)  
}
```

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, 254) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 254) }
```

Border

The CSS property to change the border of an element to Yxy 36.6608, 0.1938, 0.2177 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, 254) }
```

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

```
.border{ border-color:rgb(0, 172, 254) }
```

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, 254)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 254); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 254);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
254) }
```

Background

The CSS property to change the background color of an element to Yxy 36.6608, 0.1938, 0.2177 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, 254) }
```

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

```
.background{ background-color: rgb(0, 172,  
254) }
```

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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