

Converting Colors

$Y_{xy}(38.7507, 0.1958, 0.2242)$

Have a look what the booklet for
Yxy(38.7507, 0.1958, 0.2242)
contains.

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Color

Yxy(38.6901, 0.1957, 0.2239)

Conversions

Conversions Part 1

Format	Color
Hex	04B1FF
RGB	4, 177, 255
RGB Percent	2%, 69%, 100%
CMY	0.9862, 0.3058, 0.0000
CMYK	0.99, 0.31, 0.00, 0.00
HSL	199°, 100%, 51%
HSV	199°, 99%, 100%
XYZ	33.8171, 38.6901, 100.2936
YIQ	134.1650, -128.1460, -12.4180

Conversions

Conversions Part 2

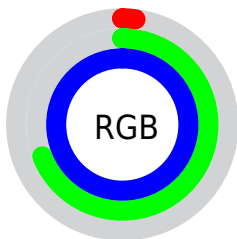
Format	Color
R _Y B	4, 106, 255
Decimal	307711
CIE Lab	68.53, -10.04, -48.86
CIE LCh	69, 49.882, 258.390
Yxy	38.6901, 0.1957, 0.2239
Android (android.graphics.Color)	4278497791 (0xFF04B1FF)
YUV	134.1650, 59.5717, -114.1547
Hunter-Lab	62.2014, -11.8070, -52.0583

Details

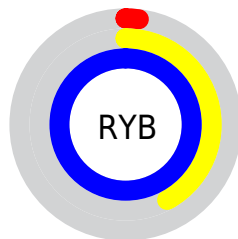
The Yxy color **38.6901, 0.1957, 0.2239** is a dark color, and the websafe version is hex **3399CC**. The color can be described as middle saturated azure. A complement of this color would be **27.2291, 0.5939, 0.3655**, and the grayscale version is **23.6636, 0.3127, 0.3290**.

A 20% lighter version of the original color is **68.4439, 0.2365, 0.3013**, and **18.7444, 0.1897, 0.2029** is the 20% darker color. If you saturate the color by 10%, you get **38.2385, 0.1951, 0.2223**, and if you desaturate by 10%, it is **42.1456, 0.2006, 0.2356**.

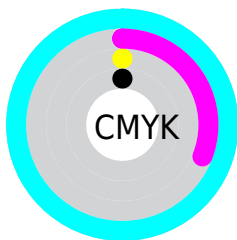
Distribution



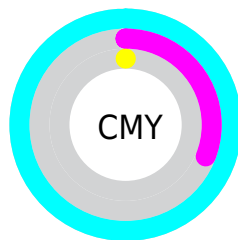
- Red (2%)
- Green (69%)
- Blue (100%)



- Red (2%)
- Yellow (42%)
- Blue (100%)



- Cyan (99%)
- Magenta (31%)
- Yellow (0%)
- Black (0%)




- Cyan (99%)
- Magenta (31%)
- Yellow (0%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.6901, 0.1957, 0.2239 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 38.6901, 0.1957, 0.2239 by changing the saturation by 10% instead.


 38.6901, 0.1957,
0.2239


 38.6901, 0.1957,
0.2239

340.5711, 0.2520,
0.2760

 26.5187, 0.1828,
0.2115


 73.1647, 0.2154,
0.2424

 17.2121, 0.1670,
0.1962


 96.2366, 0.2230,
0.2495

 10.3858, 0.1474,
0.1768


 123.7109, 0.2296,
0.2556

 5.6555, 0.1229,
0.1520

 155.9720, 0.2352,
0.2608

 2.6368, 0.0924,
0.1199

 193.4041, 0.2402,
0.2654

 0.9452, 0.0548,
0.0794

236.3917, 0.2446,

 0.0000, 0.0000,

0.2694

0.0000

285.3193, 0.2485,
0.2729

■ 38.6901, 0.1957,
0.2239

■ 38.6901, 0.1957,
0.2239

■ 38.2385, 0.1951,
0.2223

■ 42.1456, 0.2006,
0.2356

■ 46.0824, 0.2075,
0.2475

■ 50.5765, 0.2164,
0.2595

■ 55.6813, 0.2273,
0.2713

■ 61.4421, 0.2398,
0.2828

■ 67.8991, 0.2537,
0.2937

■ 75.0886, 0.2684,
0.3040

■ 83.0439, 0.2838,
0.3135

■ 91.7959, 0.2993,
0.3222

Harmonies

Analogous

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



38.6901, 0.1845, 0.2583



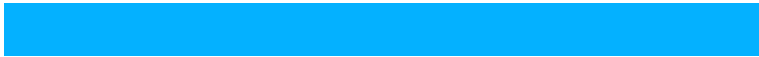
38.6901, 0.1957, 0.2239



38.6901, 0.2340, 0.2169

Triad

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



38.6901, 0.1957, 0.2239



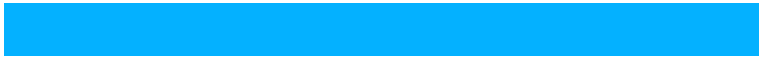
38.6901, 0.4361, 0.3181



38.6901, 0.3139, 0.4567

Complementary

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



38.6901, 0.1957, 0.2239



27.2291, 0.5939, 0.3655

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.



38.6901, 0.3841, 0.4613



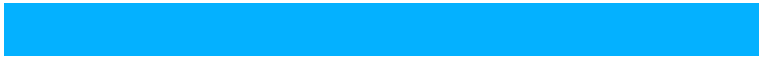
38.6901, 0.1957, 0.2239



38.6901, 0.4600, 0.3728

Square

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



38.6901, 0.1957, 0.2239



38.6901, 0.3731, 0.2691



38.6901, 0.4386, 0.4253



38.6901, 0.2472, 0.4006

Rectangle

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



38.6901, 0.1957, 0.2239



38.6901, 0.2737, 0.2255



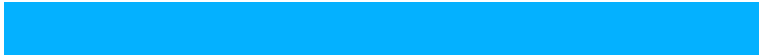
38.6901, 0.4386, 0.4253



38.6901, 0.3379, 0.4641

Sweetspot

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



38.6913, 0.1957, 0.2239



74.0504, 0.2664, 0.3026



72.1068, 0.2892, 0.5604



15.1909, 0.2601, 0.2983



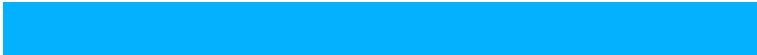
0.0000, 0.0000, 0.0000



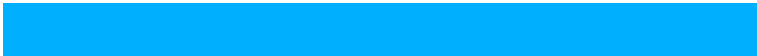
21.4041, 0.3127, 0.3290

Same Dimension

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



38.6913, 0.1957, 0.2239



38.2385, 0.1951, 0.2223



9.8642, 0.1555, 0.0791



19.4750, 0.2980, 0.3215



20.2585, 0.1956, 0.2242



2.1672, 0.1993, 0.2376

Inverse Universe

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



24.5112, 0.4190, 0.2087



24.3913, 0.4208, 0.2092



64.7892, 0.4597, 0.4726



18.1988, 0.3186, 0.3127



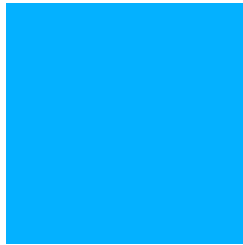
12.7731, 0.4187, 0.2080



1.2633, 0.4048, 0.2003

Previews

White Background



This preview shows how the Yxy color 38.6901, 0.1957, 0.2239 looks on a white background.

Color Contrast Check

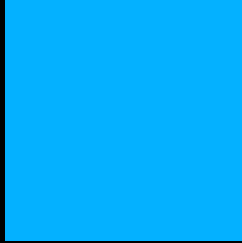
Large Text (above 18pt) WCAG AA × Fail

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 38.6901, 0.1957, 0.2239 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

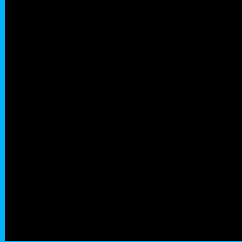
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

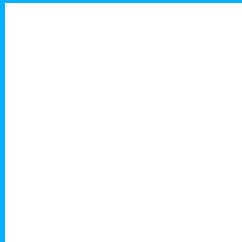
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 38.6901, 0.1957, 0.2239

Background



This preview shows how black text looks on a background with the Yxy color 38.6901, 0.1957, 0.2239.

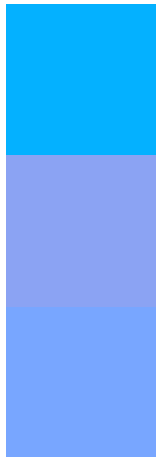


This preview shows how white text looks on a background with the Yxy color 38.6901, 0.1957, 0.2239.

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

38.6901, 0.1957, 0.2239

Protanopia

38.1544, 0.2374, 0.2269

Deuteranopia

38.4855, 0.2217, 0.2164

Trichromacy



Original Color

38.6901, 0.1957, 0.2239

Protanomaly

36.8943, 0.2119, 0.2234

Deuteranomaly

37.5892, 0.2054, 0.2171

Monochromacy



Original Color

38.6901, 0.1957, 0.2239

Achromatopsia

23.8398, 0.3127, 0.3290

Achromatomaly

27.0533, 0.2381, 0.2816

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.6901, 0.1957, 0.2239 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(4, 177, 255)` looks like.

```
.text, #text, p{  
    color:rgb(4, 177, 255)  
}
```

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(4, 177, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(4, 177, 255) }
```

Border

The CSS property to change the border of an element to Yxy 38.6901, 0.1957, 0.2239 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(4, 177, 255) }
```

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

```
.border{ border-color:rgb(4, 177, 255) }
```

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

Here you see how a box with a 4 pixel rgb(4, 177, 255) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(4, 177, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(4, 177, 255);  
box-shadow:4px 4px 4px 4px rgb(4, 177,  
255) }
```

Background

The CSS property to change the background color of an element to Yxy 38.6901, 0.1957, 0.2239 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(4, 177, 255) }
```

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

```
.background{ background-color: rgb(4, 177,  
255) }
```

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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