

Converting Colors

$Yxy(41.0112, 0.1987, 0.2354)$

Have a look what the booklet for
Yxy(41.0112, 0.1987, 0.2354)
contains.

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Color

Yxy(40.8952, 0.1988, 0.2356)

Conversions

Conversions Part 1

Format	Color
Hex	00B7FC
RGB	0, 183, 252
RGB Percent	0%, 72%, 99%
CMY	0.9987, 0.2824, 0.0117
CMYK	1.00, 0.27, 0.00, 0.01
HSL	196°, 100%, 49%
HSV	196°, 100%, 99%
XYZ	34.5075, 40.8952, 98.1763
YIQ	136.1490, -131.2170, -17.3370

Conversions

Conversions Part 2

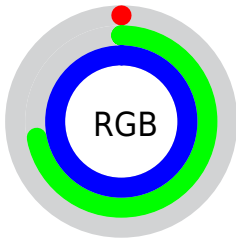
Format	Color
RYB	0, 106, 252
Decimal	47100
CIELab	70.10, -14.44, -44.76
CIELCh	70, 47.035, 252.124
Yxy	40.8952, 0.1988, 0.2356
Android (android.graphics.Color)	4278237180 (0xFF00B7FC)
YUV	136.1490, 57.1145, -119.4027
Hunter-Lab	63.9494, -15.5916, -46.2586

Details

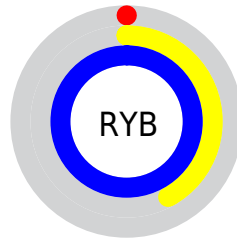
The Yxy color **40.8952, 0.1988, 0.2356** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **24.9969, 0.6051, 0.3576**, and the grayscale version is **24.5374, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3977, 0.2380, 0.3099**, and **19.9054, 0.1933, 0.2157** is the 20% darker color. If you saturate the color by 10%, you get **40.8564, 0.1988, 0.2355**, and if you desaturate by 10%, it is **44.0290, 0.2031, 0.2458**.

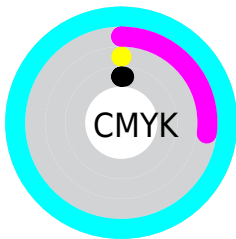
Distribution



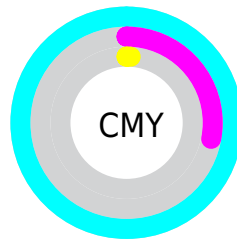
- Red (0%)
- Green (72%)
- Blue (99%)



- Red (0%)
- Yellow (42%)
- Blue (99%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (1%)




- Cyan (100%)
- Magenta (28%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.8952, 0.1988, 0.2356 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 40.8952, 0.1988, 0.2356 by changing the saturation by 10% instead.


 40.8952, 0.1988,
0.2356


 40.8952, 0.1988,
0.2356


349.8824, 0.2533,
0.2823


 28.2372, 0.1863,
0.2244


 76.5248, 0.2178,
0.2523

 18.5045, 0.1710,
0.2103


 100.2652, 0.2252,
0.2587


 11.3128, 0.1520,
0.1924


 128.4684, 0.2316,
0.2641

 6.2777, 0.1281,
0.1690

 161.5190, 0.2371,
0.2688

 3.0146, 0.0980,
0.1381

 199.8013, 0.2419,
0.2728

 1.1394, 0.0608,
0.0974

243.6997, 0.2461,

 0.0113, 0.0000,

0.2764

0.0022

293.5986, 0.2499,
0.2795

■ 0.0000, 0.0000,
0.0000

■ 40.8952, 0.1988,
0.2356

■ 40.8952, 0.1988,
0.2356

■ 40.8564, 0.1988,
0.2355

■ 44.0290, 0.2031,
0.2458

■ 47.5754, 0.2092,
0.2562

■ 51.6192, 0.2174,
0.2667

■ 56.2125, 0.2275,
0.2771

■ 61.3993, 0.2393,
0.2871

■ 67.2183, 0.2526,
0.2968

■ 73.7044, 0.2669,
0.3059

■ 80.8894, 0.2820,
0.3143

■ 88.8029, 0.2974,
0.3221

Harmonies

Analogous

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



40.8952, 0.1938, 0.2741



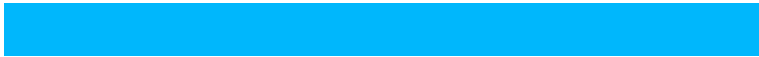
40.8952, 0.1988, 0.2356



40.8952, 0.2298, 0.2235

Triad

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



40.8952, 0.1988, 0.2356



40.8952, 0.4171, 0.3091



40.8952, 0.3286, 0.4513

Complementary

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



40.8952, 0.1988, 0.2356



24.9969, 0.6051, 0.3576

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.



40.8952, 0.3923, 0.4475



40.8952, 0.1988, 0.2356



40.8952, 0.4483, 0.3602

Square

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



40.8952, 0.1988, 0.2356



40.8952, 0.3542, 0.2648



40.8952, 0.4374, 0.4104



40.8952, 0.2641, 0.4086

Rectangle

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



40.8952, 0.1988, 0.2356



40.8952, 0.2641, 0.2284



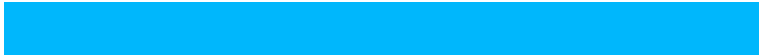
40.8952, 0.4374, 0.4104



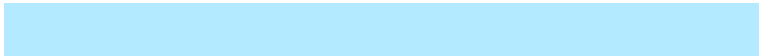
40.8952, 0.3508, 0.4551

Sweetspot

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



40.8966, 0.1988, 0.2356



75.6028, 0.2667, 0.3057



70.0388, 0.2917, 0.5699



15.5631, 0.2606, 0.3020



0.0000, 0.0000, 0.0000



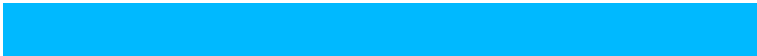
21.4041, 0.3127, 0.3290

Same Dimension

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



40.8966, 0.1988, 0.2356



41.9497, 0.1987, 0.2354



10.1650, 0.1564, 0.0831



18.7564, 0.2980, 0.3223



21.5400, 0.1992, 0.2372



2.1718, 0.2026, 0.2495

Inverse Universe

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



24.1230, 0.4068, 0.2015



24.7660, 0.4070, 0.2016



58.9637, 0.4686, 0.4661



17.4386, 0.3180, 0.3119



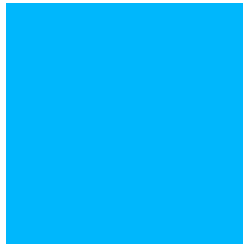
12.5854, 0.4052, 0.2006



1.1835, 0.3927, 0.1937

Previews

White Background



This preview shows how the Yxy color 40.8952, 0.1988, 0.2356 looks on a white background.

Color Contrast Check

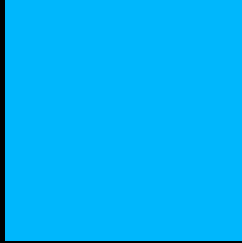
Large Text (above 18pt) WCAG AA × Fail

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 40.8952, 0.1988, 0.2356 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

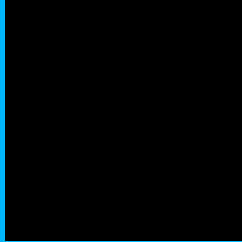
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

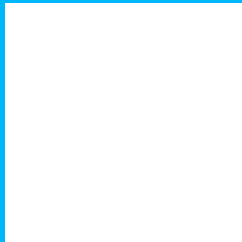
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.8952, 0.1988, 0.2356

Background



This preview shows how black text looks on a background with the Yxy color 40.8952, 0.1988, 0.2356.



This preview shows how white text looks on a background with the Yxy color 40.8952, 0.1988, 0.2356.

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

40.8952, 0.1988, 0.2356

Protanopia

40.5924, 0.2459, 0.2379

Deuteranopia

40.4212, 0.2283, 0.2218



Tritanopia

40.7070, 0.2187, 0.3072

Trichromacy



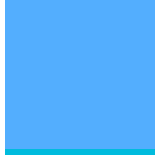
Original Color

40.8952, 0.1988, 0.2356



Protanomaly

38.7985, 0.2164, 0.2339



Deuteranomaly

39.2669, 0.2088, 0.2240



Tritanomaly

40.7611, 0.2108, 0.2787

Monochromacy



Original Color

40.8952, 0.1988, 0.2356



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

28.0231, 0.2391, 0.2869

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8952, 0.1988, 0.2356 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, 183, 252)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 252)  
}
```

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, 183, 252) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 252) }
```

Border

The CSS property to change the border of an element to Yxy 40.8952, 0.1988, 0.2356 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, 183, 252) }
```

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

```
.border{ border-color:rgb(0, 183, 252) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 183, 252)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 252); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 252);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
252) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8952, 0.1988, 0.2356 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 252) }
```

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

```
.background{ background-color: rgb(0, 183,  
252) }
```

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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