

Converting Colors

$Y_{xy}(31.8170, 0.1140, 0.2175)$

Have a look what the booklet for
Yxy(31.8170, 0.1140, 0.2175)
contains.

Yxy(40.9588, 0.1985, 0.2345)	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(40.9588, 0.1985, 0.2345)

Conversions

Conversions Part 1

Format	Color
Hex	00B7FD
RGB	0, 183, 253
RGB Percent	0%, 72%, 99%
CMY	0.9982, 0.2824, 0.0077
CMYK	1.00, 0.28, 0.00, 0.01
HSL	197°, 100%, 50%
HSV	197°, 100%, 99%
XYZ	34.6709, 40.9588, 99.0347
YIQ	136.2630, -131.5380, -17.0260

Conversions

Conversions Part 2

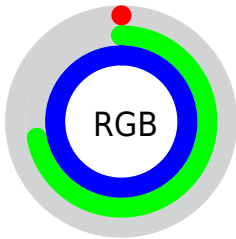
Format	Color
RYB	0, 106, 253
Decimal	47101
CIELab	70.15, -14.07, -45.25
CIELCh	70, 47.386, 252.729
Yxy	40.9588, 0.1985, 0.2345
Android (android.graphics.Color)	4278237181 (0xFF00B7FD)
YUV	136.2630, 57.5513, -119.5027
Hunter-Lab	63.9991, -15.2977, -46.9484

Details

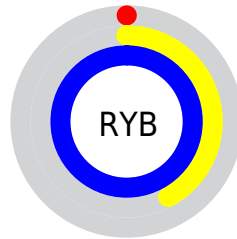
The Yxy color **40.9588, 0.1985, 0.2345** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **25.3333, 0.6044, 0.3582**, and the grayscale version is **24.5948, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.4637, 0.2383, 0.3099**, and **19.9508, 0.1929, 0.2145** is the 20% darker color. If you saturate the color by 10%, you get **40.9049, 0.1984, 0.2343**, and if you desaturate by 10%, it is **44.1408, 0.2029, 0.2449**.

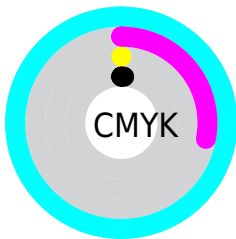
Distribution



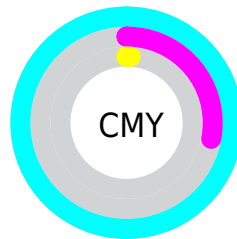
- Red (0%)
- Green (72%)
- Blue (99%)



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



- Cyan (100%)
- Magenta (28%)
- Yellow (0%)
- Black (1%)




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9588, 0.1985, 0.2345 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 40.9588, 0.1985, 0.2345 by changing the saturation by 10% instead.

 40.9588, 0.1985,
0.2345


 40.9588, 0.1985,
0.2345


350.1484, 0.2531,
0.2817

 28.2869, 0.1860,
0.2232


 76.6213, 0.2176,
0.2514

 18.5420, 0.1707,
0.2090


 100.3808, 0.2250,
0.2578


 11.3398, 0.1517,
0.1910


 128.6048, 0.2313,
0.2633

 6.2959, 0.1278,
0.1676

 161.6779, 0.2368,
0.2680

 3.0258, 0.0978,
0.1367

 199.9844, 0.2417,
0.2721

 1.1452, 0.0609,
0.0962

243.9087, 0.2459,

 0.0163, 0.0000,

0.2757

0.0031

293.8353, 0.2497,
0.2789

■ 0.0000, 0.0000,
0.0000

■ 40.9588, 0.1985,
0.2345

■ 40.9588, 0.1985,
0.2345

■ 40.9049, 0.1984,
0.2343

■ 44.1408, 0.2029,
0.2449

■ 47.7433, 0.2090,
0.2554

■ 51.8513, 0.2172,
0.2660

■ 56.5174, 0.2274,
0.2765

■ 61.7863, 0.2393,
0.2867

■ 67.6970, 0.2526,
0.2964

■ 74.2847, 0.2670,
0.3056

■ 81.5818, 0.2820,
0.3142

■ 89.6180, 0.2975,
0.3220

Harmonies

Analogous

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



40.9588, 0.1929, 0.2727



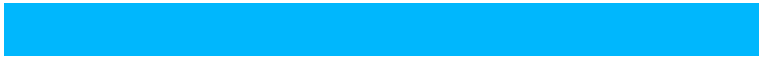
40.9588, 0.1985, 0.2345



40.9588, 0.2302, 0.2228

Triad

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



40.9588, 0.1985, 0.2345



40.9588, 0.4189, 0.3099



40.9588, 0.3273, 0.4519

Complementary

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



40.9588, 0.1985, 0.2345



25.3333, 0.6044, 0.3582

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.



40.9588, 0.3916, 0.4488



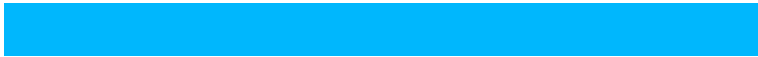
40.9588, 0.1985, 0.2345



40.9588, 0.4494, 0.3614

Square

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



40.9588, 0.1985, 0.2345



40.9588, 0.3559, 0.2652



40.9588, 0.4375, 0.4117



40.9588, 0.2625, 0.4079

Rectangle

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



40.9588, 0.1985, 0.2345



40.9588, 0.2649, 0.2282



40.9588, 0.4375, 0.4117



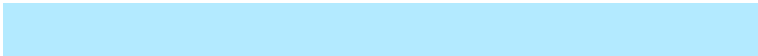
40.9588, 0.3497, 0.4559

Sweetspot

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



40.9602, 0.1985, 0.2345



75.4677, 0.2667, 0.3055



70.6902, 0.2917, 0.5699



15.5307, 0.2605, 0.3017



0.0000, 0.0000, 0.0000



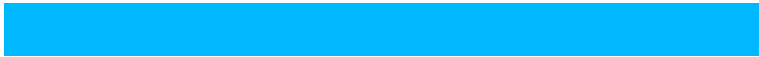
21.4041, 0.3127, 0.3290

Same Dimension

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



40.9602, 0.1985, 0.2345



41.6193, 0.1984, 0.2343



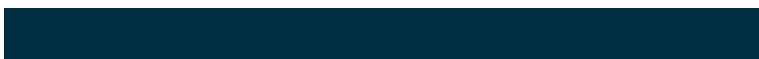
10.2654, 0.1565, 0.0831



19.5796, 0.2980, 0.3223



22.0109, 0.1989, 0.2360



2.3269, 0.2022, 0.2479

Inverse Universe

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



24.3175, 0.4079, 0.2022



24.7326, 0.4082, 0.2022



59.5180, 0.4686, 0.4661



18.2094, 0.3181, 0.3120



12.9500, 0.4064, 0.2012



1.2794, 0.3944, 0.1946

Previews

White Background



This preview shows how the Yxy color 40.9588, 0.1985, 0.2345 looks on a white background.

Color Contrast Check

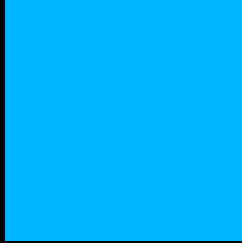
Large Text (above 18pt) WCAG AA × Fail

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 40.9588, 0.1985, 0.2345 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

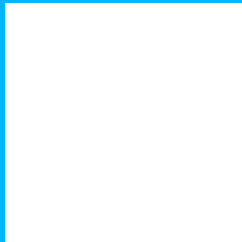
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.9588, 0.1985, 0.2345

Background



This preview shows how black text looks on a background with the Yxy color 40.9588, 0.1985, 0.2345.



This preview shows how white text looks on a background with the Yxy color 40.9588, 0.1985, 0.2345.

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

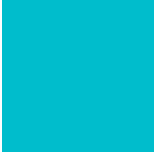
40.9588, 0.1985, 0.2345

Protanopia

40.6520, 0.2453, 0.2369

Deuteranopia

40.7947, 0.2285, 0.2231



Tritanopia

40.7548, 0.2183, 0.3057

Trichromacy



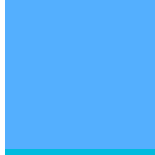
Original Color

40.9588, 0.1985, 0.2345



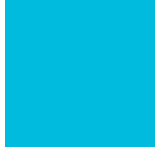
Protanomaly

38.8594, 0.2160, 0.2328



Deuteranomaly

39.7005, 0.2094, 0.2255



Tritanomaly

40.8146, 0.2104, 0.2774

Monochromacy



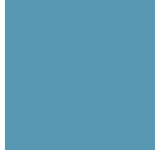
Original Color

40.9588, 0.1985, 0.2345



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

28.0634, 0.2385, 0.2853

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9588, 0.1985, 0.2345 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, 253)` looks like.

```
.text, #text, p{  
  color:rgb(0, 183, 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, 183, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 253) }
```

Border

The CSS property to change the border of an element to Yxy 40.9588, 0.1985, 0.2345 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, 253) }
```

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

```
.border{ border-color:rgb(0, 183, 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, 183, 253)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 253);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9588, 0.1985, 0.2345 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, 253) }
```

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

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