

Converting Colors

$Yxy(38.7412, 0.1832, 0.2338)$

Have a look what the booklet for
Yxy(38.7412, 0.1832, 0.2338)
contains.

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Color

Yxy(40.7691, 0.1994, 0.2378)

Conversions

Conversions Part 1

| Format | Color |
|-------------|-------------------------------|
| Hex | 00B7FA |
| RGB | 0, 183, 250 |
| RGB Percent | 0%, 72%, 98% |
| CMY | 0.9996, 0.2823, 0.0197 |
| CMYK | 1.00, 0.27, 0.00, 0.02 |
| HSL | 196°, 100%, 49% |
| HSV | 196°, 100%, 98% |
| XYZ | 34.1857, 40.7691, 96.4880 |
| YIQ | 135.9210, -130.5750, -17.9590 |

Conversions

Conversions Part 2

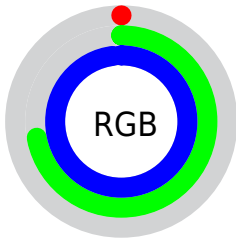
| Format | Color |
|-------------------------------------|---------------------------------|
| RYB | 0, 106, 250 |
| Decimal | 47098 |
| CIELab | 70.01, -15.17, -43.80 |
| CIELCh | 70, 46.355, 250.900 |
| Yxy | 40.7691, 0.1994, 0.2378 |
| Android (android.graphics.Color) | 4278237178 (0xFF00B7FA) |
| YUV | 135.9210, 56.2409, -119.2027 |
| Hunter-Lab | 63.8507, -16.1697, -44.9007 |

Details

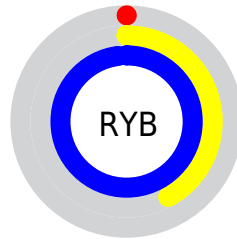
The Yxy color **40.7691, 0.1994, 0.2378** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **24.3418, 0.6067, 0.3565**, and the grayscale version is **24.4237, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.3977, 0.2380, 0.3099**, and **19.8155, 0.1940, 0.2183** is the 20% darker color. If you saturate the color by 10%, you get **40.7590, 0.1994, 0.2378**, and if you desaturate by 10%, it is **43.8077, 0.2037, 0.2478**.

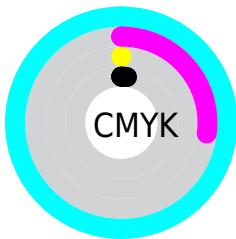
Distribution



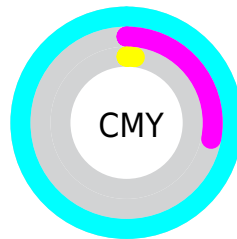
- Red (0%)
- Green (72%)
- Blue (98%)



- Red (0%)
- Yellow (42%)
- Blue (98%)



- Cyan (100%)
- Magenta (27%)
- Yellow (0%)
- Black (2%)





- Cyan (100%)
- Magenta (28%)
- Yellow (2%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.7691, 0.1994, 0.2378 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 40.7691, 0.1994, 0.2378 by changing the saturation by 10% instead.


 40.7691, 0.1994,
0.2378


 40.7691, 0.1994,
0.2378


 349.3546, 0.2537,
0.2836


 28.1387, 0.1869,
0.2267


 76.3333, 0.2184,
0.2542

 18.4302, 0.1716,
0.2128


 100.0358, 0.2257,
0.2605

 11.2593, 0.1526,
0.1951


 128.1979, 0.2321,
0.2658

 6.2415, 0.1286,
0.1718

 161.2038, 0.2375,
0.2704

 2.9925, 0.0983,
0.1409

 199.4381, 0.2423,
0.2743

 1.1278, 0.0605,
0.0999

 243.2851, 0.2466,

 0.0015, 0.0000,

0.2778

0.0003

293.1291, 0.2503,
0.2809

■ 0.0000, 0.0000,
0.0000

■ 40.7691, 0.1994,
0.2378

■ 40.7691, 0.1994,
0.2378

■ 40.7590, 0.1994,
0.2378

■ 43.8077, 0.2037,
0.2478

■ 47.2437, 0.2097,
0.2579

■ 51.1611, 0.2177,
0.2681

■ 55.6112, 0.2277,
0.2782

■ 60.6369, 0.2394,
0.2880

■ 66.2762, 0.2526,
0.2975

■ 72.5630, 0.2669,
0.3063

■ 79.5286, 0.2819,
0.3146

■ 87.2018, 0.2973,
0.3222

Harmonies

Analogous

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



40.7691, 0.1955, 0.2771



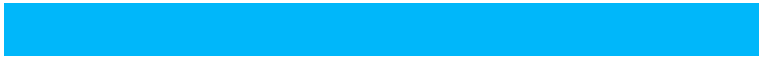
40.7691, 0.1994, 0.2378



40.7691, 0.2291, 0.2247

Triad

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



40.7691, 0.1994, 0.2378



40.7691, 0.4137, 0.3075



40.7691, 0.3313, 0.4503

Complementary

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



40.7691, 0.1994, 0.2378



24.3418, 0.6067, 0.3565

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.



40.7691, 0.3937, 0.4450



40.7691, 0.1994, 0.2378



40.7691, 0.4460, 0.3579

Square

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



40.7691, 0.1994, 0.2378



40.7691, 0.3509, 0.2641



40.7691, 0.4370, 0.4077



40.7691, 0.2672, 0.4099

Rectangle

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



40.7691, 0.1994, 0.2378



40.7691, 0.2624, 0.2290



40.7691, 0.4370, 0.4077



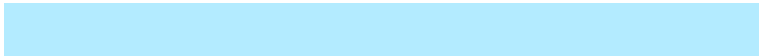
40.7691, 0.3531, 0.4534

Sweetspot

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



40.7705, 0.1994, 0.2378



75.8735, 0.2668, 0.3063



68.7580, 0.2917, 0.5700



15.6281, 0.2607, 0.3026



0.0000, 0.0000, 0.0000



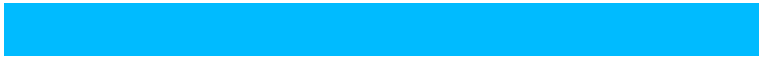
21.4041, 0.3127, 0.3290

Same Dimension

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



40.7705, 0.1994, 0.2378



42.6157, 0.1994, 0.2377



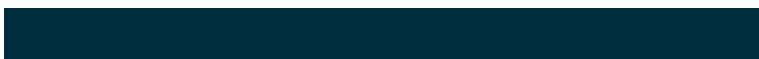
9.9680, 0.1564, 0.0830



18.7754, 0.2980, 0.3225



21.8745, 0.1998, 0.2394



2.2005, 0.2032, 0.2514

Inverse Universe

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



23.7405, 0.4045, 0.2002



24.8332, 0.4047, 0.2003



57.8740, 0.4686, 0.4661



17.4405, 0.3179, 0.3118



12.6191, 0.4029, 0.1993



1.1864, 0.3908, 0.1927

Previews

White Background



This preview shows how the Yxy color 40.7691, 0.1994, 0.2378 looks on a white background.

Color Contrast Check

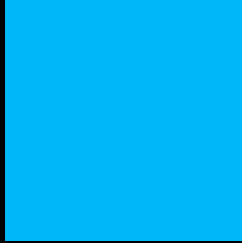
Large Text (above 18pt) WCAG AA × Fail

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 40.7691, 0.1994, 0.2378 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 40.7691, 0.1994, 0.2378

Background



This preview shows how black text looks on a background with the Yxy color 40.7691, 0.1994, 0.2378.



This preview shows how white text looks on a background with the Yxy color 40.7691, 0.1994, 0.2378.

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

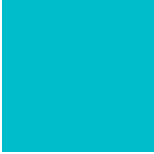
40.7691, 0.1994, 0.2378

Protanopia

40.1414, 0.2480, 0.2399

Deuteranopia

40.4543, 0.2303, 0.2240



Tritanopia

40.7070, 0.2187, 0.3072

Trichromacy



Original Color

40.7691, 0.1994, 0.2378



Protanomaly

38.7308, 0.2176, 0.2361



Deuteranomaly

39.2317, 0.2102, 0.2262



Tritanomaly

40.7080, 0.2111, 0.2801

Monochromacy



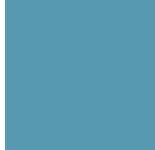
Original Color

40.7691, 0.1994, 0.2378



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

27.9830, 0.2397, 0.2885

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.7691, 0.1994, 0.2378 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, 250)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 250)  
}
```

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, 250) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 250) }
```

Border

The CSS property to change the border of an element to Yxy 40.7691, 0.1994, 0.2378 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, 250) }
```

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

```
.border{ border-color:rgb(0, 183, 250) }
```

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, 250) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 250); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 250);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
250) }
```


Background

The CSS property to change the background color of an element to Yxy 40.7691, 0.1994, 0.2378 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, 250) }
```

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

```
.background{ background-color: rgb(0, 183,  
250) }
```

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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