

Converting Colors

$Y_{xy}(40.5311, 0.1978, 0.2304)$

Have a look what the booklet for
Yxy(40.5311, 0.1978, 0.2304)
contains.

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Color

Yxy(40.3323, 0.1976, 0.2297)

Conversions

Conversions Part 1

Format	Color
Hex	0AB5FF
RGB	10, 181, 255
RGB Percent	4%, 71%, 100%
CMY	0.9614, 0.2902, 0.0000
CMYK	0.96, 0.29, 0.00, 0.00
HSL	198°, 100%, 52%
HSV	198°, 96%, 100%
XYZ	34.6960, 40.3323, 100.5586
YIQ	138.3070, -125.6700, -13.2380

Conversions

Conversions Part 2

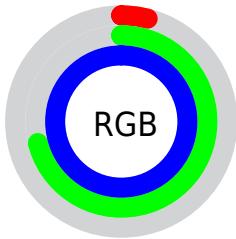
Format	Color
R _Y B	10, 111, 255
Decimal	701951
CIE Lab	69.71, -12.08, -47.00
CIE LCh	70, 48.527, 255.587
Yxy	40.3323, 0.1976, 0.2297
Android (android.graphics.Color)	4278892031 (0xFF0AB5FF)
YUV	138.3070, 57.5296, -112.5252
Hunter-Lab	63.5077, -13.6192, -49.4248

Details

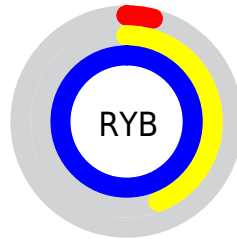
The Yxy color **40.3323, 0.1976, 0.2297** is a dark color, and the websafe version is hex **66CCFF**. The color can be described as middle saturated azure. A complement of this color would be **27.5931, 0.5902, 0.3664**, and the grayscale version is **25.3322, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3658, 0.2381, 0.3075**, and **19.5156, 0.1912, 0.2083** is the 20% darker color. If you saturate the color by 10%, you get **39.0763, 0.1959, 0.2253**, and if you desaturate by 10%, it is **43.8500, 0.2028, 0.2411**.

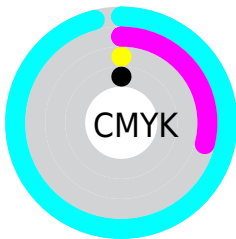
Distribution



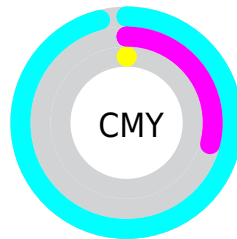
- Red (4%)
- Green (71%)
- Blue (100%)



- Red (4%)
- Yellow (44%)
- Blue (100%)



- Cyan (96%)
- Magenta (29%)
- Yellow (0%)
- Black (0%)





- Cyan (96%)
- Magenta (29%)
- Yellow (0%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.3323, 0.1976, 0.2297 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 40.3323, 0.1976, 0.2297 by changing the saturation by 10% instead.


 40.3323, 0.1976,
0.2297


 40.3323, 0.1976,
0.2297


347.5222, 0.2527,
0.2790

 27.7977, 0.1850,
0.2180


 75.6693, 0.2168,
0.2473


 18.1732, 0.1696,
0.2033


 99.2404, 0.2243,
0.2540


 11.0744, 0.1505,
0.1848


 127.2593, 0.2307,
0.2597

 6.1169, 0.1265,
0.1609

 160.1102, 0.2363,
0.2647

 2.9163, 0.0964,
0.1296

 198.1775, 0.2412,
0.2690

 1.0882, 0.0596,
0.0893

241.8457, 0.2455,

 0.0000, 0.0000,

0.2727

0.0000

291.4991, 0.2493,
0.2761

■ 40.3323, 0.1976,
0.2297

■ 40.3323, 0.1976,
0.2297

■ 39.0763, 0.1959,
0.2253

■ 43.8500, 0.2028,
0.2411

■ 47.8659, 0.2101,
0.2527

■ 52.4439, 0.2194,
0.2643

■ 57.6346, 0.2306,
0.2757

■ 63.4819, 0.2434,
0.2868

■ 70.0246, 0.2574,
0.2972

■ 77.2979, 0.2723,
0.3070

■ 85.3343, 0.2876,
0.3161

■ 94.1640, 0.3032,
0.3243

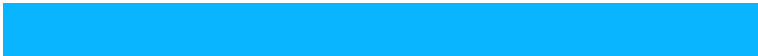
Harmonies

Analogous

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



40.3323, 0.1893, 0.2659



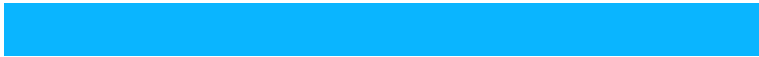
40.3323, 0.1976, 0.2297



40.3323, 0.2324, 0.2204

Triad

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



40.3323, 0.1976, 0.2297



40.3323, 0.4268, 0.3141



40.3323, 0.3208, 0.4536

Complementary

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



40.3323, 0.1976, 0.2297



27.5931, 0.5902, 0.3664

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.



40.3323, 0.3877, 0.4543



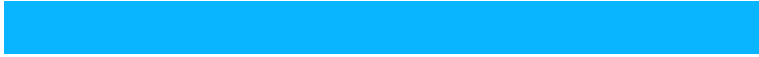
40.3323, 0.1976, 0.2297



40.3323, 0.4540, 0.3669

Square

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



40.3323, 0.1976, 0.2297



40.3323, 0.3640, 0.2674



40.3323, 0.4376, 0.4180



40.3323, 0.2553, 0.4040

Rectangle

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



40.3323, 0.1976, 0.2297



40.3323, 0.2694, 0.2273



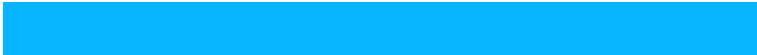
40.3323, 0.4376, 0.4180



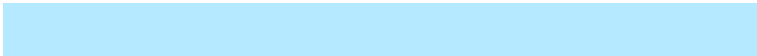
40.3323, 0.3439, 0.4593

Sweetspot

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



40.3336, 0.1976, 0.2297



75.1481, 0.2679, 0.3043



72.2104, 0.2884, 0.5559



15.4207, 0.2616, 0.3001



0.0000, 0.0000, 0.0000



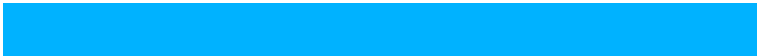
21.4041, 0.3127, 0.3290

Same Dimension

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



40.3336, 0.1976, 0.2297



39.0781, 0.1959, 0.2253



10.3971, 0.1570, 0.0827



19.5016, 0.2980, 0.3217



20.6939, 0.1965, 0.2272



2.2070, 0.2001, 0.2402

Inverse Universe

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



24.8089, 0.4127, 0.2061



24.4761, 0.4175, 0.2074



65.4048, 0.4580, 0.4728



18.2015, 0.3185, 0.3125



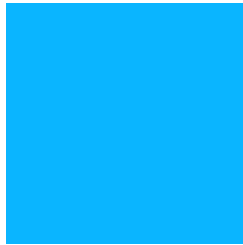
12.8170, 0.4155, 0.2063



1.2673, 0.4021, 0.1989

Previews

White Background



This preview shows how the Yxy color 40.3323, 0.1976, 0.2297 looks on a white background.

Color Contrast Check

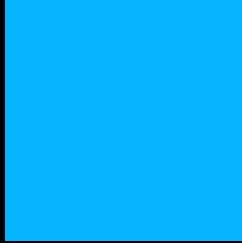
Large Text (above 18pt) WCAG AA × Fail

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 40.3323, 0.1976, 0.2297 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

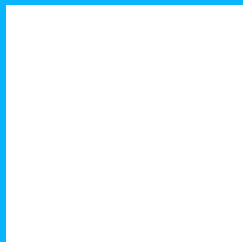
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.3323, 0.1976, 0.2297

Background



This preview shows how black text looks on a background with the Yxy color 40.3323, 0.1976, 0.2297.

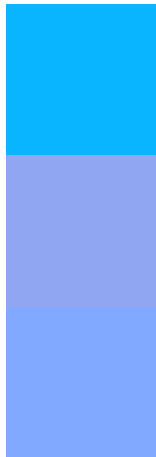


This preview shows how white text looks on a background with the Yxy color 40.3323, 0.1976, 0.2297.

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

40.3323, 0.1976, 0.2297

Protanopia

39.6728, 0.2412, 0.2316

Deuteranopia

40.1851, 0.2266, 0.2214



Tritanopia

40.2307, 0.2186, 0.3071

Trichromacy



Original Color

40.3323, 0.1976, 0.2297

Protanomaly

38.2741, 0.2149, 0.2281

Deuteranomaly

39.0384, 0.2088, 0.2218

Tritanomaly

39.9442, 0.2101, 0.2757

Monochromacy



Original Color

40.3323, 0.1976, 0.2297

Achromatopsia

25.4152, 0.3127, 0.3290

Achromatomaly

28.6715, 0.2400, 0.2843

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3323, 0.1976, 0.2297 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(10, 181, 255)` looks like.

```
.text, #text, p{  
    color:rgb(10, 181, 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(10, 181, 255) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(10, 181, 255) }
```

Border

The CSS property to change the border of an element to Yxy 40.3323, 0.1976, 0.2297 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(10, 181, 255) }
```

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

```
.border{ border-color:rgb(10, 181, 255) }
```

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

Here you see how a box with a 4 pixel `rgb(10, 181, 255)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(10, 181, 255); -webkit-box-  
shadow:4px 4px 4px 4px rgb(10, 181, 255);  
box-shadow:4px 4px 4px 4px rgb(10, 181,  
255) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3323, 0.1976, 0.2297 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(10, 181, 255) }
```

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

```
.background{ background-color: rgb(10, 181,  
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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