

Converting Colors

$Y_{xy}(37.1961, 0.1745, 0.2259)$

Have a look what the booklet for
Yxy(37.1961, 0.1745, 0.2259)
contains.

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Color

Yxy(40.1396, 0.1977, 0.2317)

Conversions

Conversions Part 1

Format	Color
Hex	00B5FD
RGB	0, 181, 253
RGB Percent	0%, 71%, 99%
CMY	1.0000, 0.2902, 0.0079
CMYK	1.00, 0.28, 0.00, 0.01
HSL	197°, 100%, 50%
HSV	197°, 100%, 99%
XYZ	34.2495, 40.1396, 98.8505
YIQ	135.0890, -130.9880, -15.9800

Conversions

Conversions Part 2

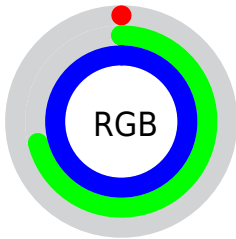
Format	Color
R _{YB}	0, 106, 253
Decimal	46589
CIE Lab	69.57, -13.03, -46.13
CIE LCh	70, 47.931, 254.227
Yxy	40.1396, 0.1977, 0.2317
Android (android.graphics.Color)	4278236669 (0xFF00B5FD)
YUV	135.0890, 58.1301, -118.4731
Hunter-Lab	63.3558, -14.3776, -48.1577

Details

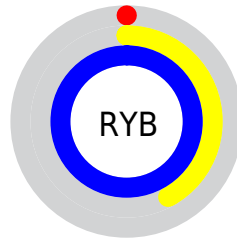
The Yxy color **40.1396, 0.1977, 0.2317** is a dark color, and the websafe version is hex **66CCFF**. The color can be described as middle saturated azure. A complement of this color would be **25.5089, 0.6031, 0.3593**, and the grayscale version is **24.0808, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.2331, 0.2374, 0.3074**, and **19.4239, 0.1919, 0.2108** is the 20% darker color. If you saturate the color by 10%, you get **40.1411, 0.1977, 0.2317**, and if you desaturate by 10%, it is **43.3546, 0.2021, 0.2424**.

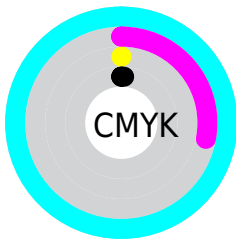
Distribution



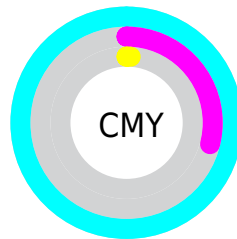
- Red (0%)
- Green (71%)
- Blue (99%)



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



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




- Cyan (100%)
- Magenta (29%)
- Yellow (1%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.1396, 0.1977, 0.2317 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 40.1396, 0.1977, 0.2317 by changing the saturation by 10% instead.


 40.1396, 0.1977,
0.2317


 40.1396, 0.1977,
0.2317


346.7116, 0.2528,
0.2802

 27.6474, 0.1851,
0.2201


 75.3760, 0.2170,
0.2491


 18.0600, 0.1696,
0.2056


 98.8891, 0.2244,
0.2557

 10.9931, 0.1504,
0.1871


 126.8445, 0.2308,
0.2613

 6.0622, 0.1263,
0.1632

 159.6268, 0.2364,
0.2661

 2.8829, 0.0960,
0.1318

 197.6202, 0.2413,
0.2704

 1.0709, 0.0586,
0.0911

241.2092, 0.2456,

 0.0000, 0.0000,

0.2741

0.0000

290.7782, 0.2494,
0.2773

■ 40.1396, 0.1977,
0.2317

■ 40.1396, 0.1977,
0.2317

■ 40.1411, 0.1977,
0.2317

■ 43.3546, 0.2021,
0.2424

■ 46.9939, 0.2084,
0.2532

■ 51.1447, 0.2166,
0.2641

■ 55.8600, 0.2269,
0.2749

■ 61.1847, 0.2388,
0.2854

■ 67.1579, 0.2522,
0.2954

■ 73.8152, 0.2666,
0.3049

■ 81.1890, 0.2817,
0.3136

■ 89.3093, 0.2972,
0.3217

Harmonies

Analogous

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



40.1396, 0.1906, 0.2689



40.1396, 0.1977, 0.2317



40.1396, 0.2311, 0.2212

Triad

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



40.1396, 0.1977, 0.2317



40.1396, 0.4233, 0.3120



40.1396, 0.3239, 0.4532

Complementary

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



40.1396, 0.1977, 0.2317



25.5089, 0.6031, 0.3593

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.



40.1396, 0.3898, 0.4520



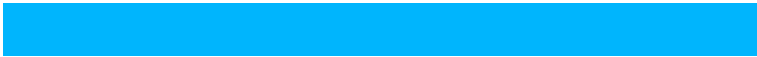
40.1396, 0.1977, 0.2317



40.1396, 0.4522, 0.3643

Square

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



40.1396, 0.1977, 0.2317



40.1396, 0.3603, 0.2662



40.1396, 0.4380, 0.4152



40.1396, 0.2586, 0.4062

Rectangle

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



40.1396, 0.1977, 0.2317



40.1396, 0.2671, 0.2274



40.1396, 0.4380, 0.4152



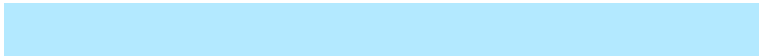
40.1396, 0.3467, 0.4581

Sweetspot

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



40.1411, 0.1977, 0.2317



75.1561, 0.2666, 0.3048



70.6993, 0.2907, 0.5666



15.4559, 0.2604, 0.3009



0.0000, 0.0000, 0.0000



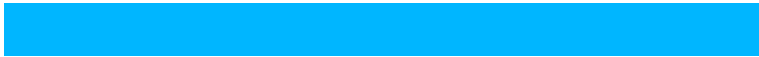
21.4041, 0.3127, 0.3290

Same Dimension

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



40.1411, 0.1977, 0.2317



40.8627, 0.1977, 0.2317



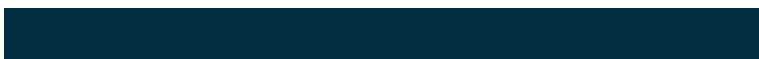
9.8048, 0.1555, 0.0799



19.5567, 0.2980, 0.3221



21.6189, 0.1982, 0.2334



2.2913, 0.2016, 0.2456

Inverse Universe

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



24.2147, 0.4109, 0.2037



24.6563, 0.4109, 0.2037



61.3418, 0.4646, 0.4693



18.2071, 0.3182, 0.3121



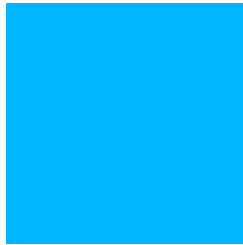
12.9104, 0.4091, 0.2027



1.2759, 0.3966, 0.1958

Previews

White Background



This preview shows how the Yxy color 40.1396, 0.1977, 0.2317 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 40.1396, 0.1977, 0.2317 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

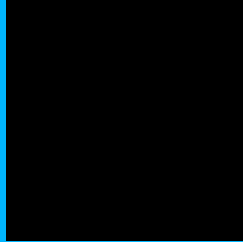
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

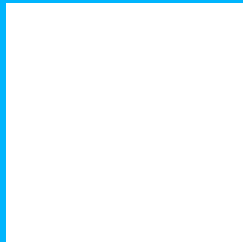
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.1396, 0.1977, 0.2317

Background



This preview shows how black text looks on a background with the Yxy color 40.1396, 0.1977, 0.2317.



This preview shows how white text looks on a background with the Yxy color 40.1396, 0.1977, 0.2317.

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

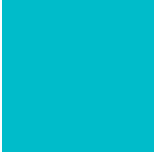
40.1396, 0.1977, 0.2317

Protanopia

39.6431, 0.2430, 0.2338

Deuteranopia

39.8145, 0.2264, 0.2201



Tritanopia

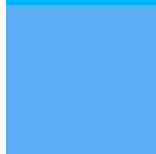
40.2307, 0.2186, 0.3071

Trichromacy



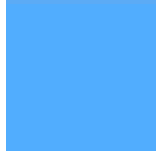
Original Color

40.1396, 0.1977, 0.2317



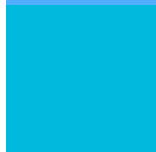
Protanomaly

37.9937, 0.2145, 0.2298



Deuteranomaly

38.7922, 0.2078, 0.2225



Tritanomaly

39.9184, 0.2099, 0.2756

Monochromacy



Original Color

40.1396, 0.1977, 0.2317



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.6493, 0.2382, 0.2851

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.1396, 0.1977, 0.2317 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, 181, 253)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 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, 181, 253) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 253) }
```

Border

The CSS property to change the border of an element to Yxy 40.1396, 0.1977, 0.2317 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, 181, 253) }
```

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

```
.border{ border-color:rgb(0, 181, 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, 181, 253) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 253); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 253);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
253) }
```


Background

The CSS property to change the background color of an element to Yxy 40.1396, 0.1977, 0.2317 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 253) }
```

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

```
.background{ background-color: rgb(0, 181,  
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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