

Converting Colors

$Y_{xy}(40.8586, 0.2004, 0.2416)$

Have a look what the booklet for
Yxy(40.8586, 0.2004, 0.2416)
contains.

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Color

Yxy(40.9964, 0.2007, 0.2425)

Conversions

Conversions Part 1

Format	Color
Hex	00B8F7
RGB	0, 184, 247
RGB Percent	0%, 72%, 97%
CMY	1.0000, 0.2784, 0.0313
CMYK	1.00, 0.26, 0.00, 0.03
HSL	195°, 100%, 48%
HSV	195°, 100%, 97%
XYZ	33.9298, 40.9964, 94.1311
YIQ	136.1660, -129.8870, -19.4150

Conversions

Conversions Part 2

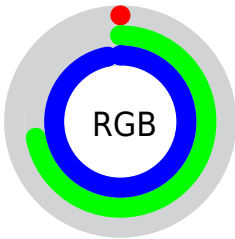
Format	Color
RYB	0, 105, 247
Decimal	47351
CIELab	70.17, -16.75, -41.95
CIElCh	70, 45.170, 248.240
Yxy	40.9964, 0.2007, 0.2425
Android (android.graphics.Color)	4278237431 (0xFF00B8F7)
YUV	136.1660, 54.6412, -119.4176
Hunter-Lab	64.0284, -17.4594, -42.3450

Details

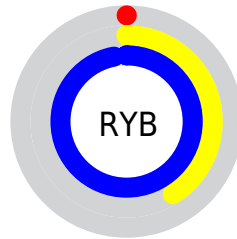
The Yxy color **40.9964, 0.2007, 0.2425** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **23.3332, 0.6095, 0.3543**, and the grayscale version is **24.5149, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.9197, 0.2379, 0.3111**, and **19.9503, 0.1956, 0.2241** is the 20% darker color. If you saturate the color by 10%, you get **40.9979, 0.2007, 0.2425**, and if you desaturate by 10%, it is **43.8774, 0.2048, 0.2520**.

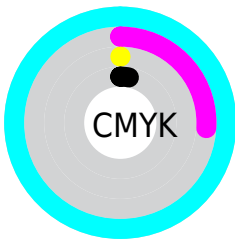
Distribution



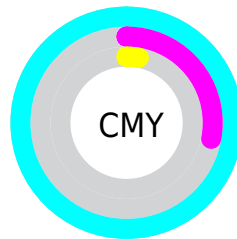
- Red (0%)
- Green (72%)
- Blue (97%)



- Red (0%)
- Yellow (41%)
- Blue (97%)



- Cyan (100%)
- Magenta (26%)
- Yellow (0%)
- Black (3%)



- Cyan (100%)
- Magenta (28%)
- Yellow (3%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.9964, 0.2007, 0.2425 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 40.9964, 0.2007, 0.2425 by changing the saturation by 10% instead.


 40.9964, 0.2007,
0.2425

 40.9964, 0.2007,
0.2425


350.3056, 0.2544,
0.2862

 28.3163, 0.1883,
0.2318


 76.6784, 0.2195,
0.2583


 18.5642, 0.1731,
0.2184


 100.4491, 0.2268,
0.2642


 11.3558, 0.1542,
0.2011


 128.6855, 0.2330,
0.2693

 6.3067, 0.1302,
0.1784

 161.7718, 0.2385,
0.2736

 3.0325, 0.0998,
0.1477

 200.0926, 0.2432,
0.2774

 1.1487, 0.0613,
0.1064

244.0323, 0.2474,


 0.0192, 0.0000,

0.2807


0.0041

293.9751, 0.2511,
0.2836


 0.0000, 0.0000,
0.0000


 40.9964, 0.2007,
0.2425

 40.9964, 0.2007,
0.2425

 40.9979, 0.2007,
0.2425

 43.8774, 0.2048,
0.2520

 47.1322, 0.2106,
0.2616

 50.8434, 0.2185,
0.2712

 55.0604, 0.2283,
0.2808

 59.8247, 0.2398,
0.2901

■ 65.1728, 0.2528,
0.2990

■ 71.1378, 0.2670,
0.3074

■ 77.7496, 0.2819,
0.3153

■ 85.0361, 0.2972,
0.3225

Harmonies

Analogous

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



40.9964, 0.1993, 0.2833



40.9964, 0.2007, 0.2425



40.9964, 0.2276, 0.2274

Triad

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



40.9964, 0.2007, 0.2425



40.9964, 0.4064, 0.3040



40.9964, 0.3368, 0.4481

Complementary

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



40.9964, 0.2007, 0.2425



23.3332, 0.6095, 0.3543

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.



40.9964, 0.3966, 0.4398



40.9964, 0.2007, 0.2425



40.9964, 0.4412, 0.3531

Square

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



40.9964, 0.2007, 0.2425



40.9964, 0.3439, 0.2624



40.9964, 0.4362, 0.4020



40.9964, 0.2737, 0.4125

Rectangle

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



40.9964, 0.2007, 0.2425



40.9964, 0.2588, 0.2302



40.9964, 0.4362, 0.4020



40.9964, 0.3579, 0.4498

Sweetspot

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



40.9979, 0.2007, 0.2425



76.4390, 0.2669, 0.3074



66.8753, 0.2926, 0.5734



15.7640, 0.2608, 0.3039



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.



40.9979, 0.2007, 0.2425



44.0253, 0.2007, 0.2423



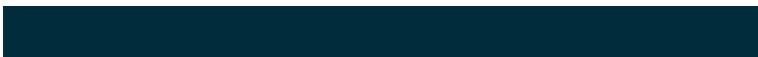
10.1348, 0.1573, 0.0862



18.0002, 0.2980, 0.3228



21.9195, 0.2011, 0.2441



2.0904, 0.2045, 0.2560

Inverse Universe

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



23.2375, 0.3998, 0.1976



24.9755, 0.3999, 0.1977



54.5838, 0.4728, 0.4628



16.6918, 0.3177, 0.3115



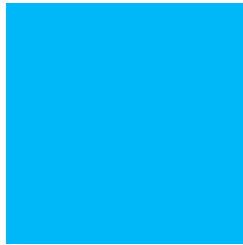
12.3122, 0.3981, 0.1967



1.0987, 0.3863, 0.1902

Previews

White Background



This preview shows how the Yxy color 40.9964, 0.2007, 0.2425 looks on a white background.

Color Contrast Check

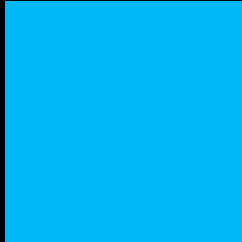
Large Text (above 18pt) WCAG AA × Fail

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 40.9964, 0.2007, 0.2425 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 40.9964, 0.2007, 0.2425

Background



This preview shows how black text looks on a background with the Yxy color 40.9964, 0.2007, 0.2425.

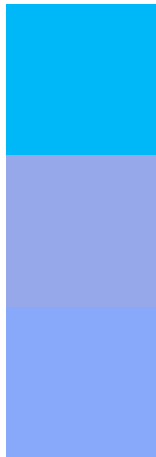


This preview shows how white text looks on a background with the Yxy color 40.9964, 0.2007, 0.2425.

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

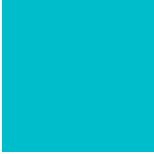
40.9964, 0.2007, 0.2425

Protanopia

40.5251, 0.2513, 0.2447

Deuteranopia

40.5123, 0.2335, 0.2274



Tritanopia

40.7548, 0.2183, 0.3057

Trichromacy



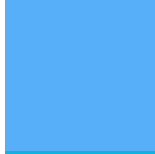
Original Color

40.9964, 0.2007, 0.2425



Protanomaly

38.9909, 0.2196, 0.2409



Deuteranomaly

39.1379, 0.2120, 0.2294



Tritanomaly

40.7080, 0.2111, 0.2801

Monochromacy



Original Color

40.9964, 0.2007, 0.2425



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

27.9433, 0.2404, 0.2900

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.9964, 0.2007, 0.2425 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, 184, 247)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 247)  
}
```

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, 184, 247) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 247) }
```

Border

The CSS property to change the border of an element to Yxy 40.9964, 0.2007, 0.2425 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, 184, 247) }
```

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

```
.border{ border-color:rgb(0, 184, 247) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 184, 247)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 247); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 247);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
247) }
```


Background

The CSS property to change the background color of an element to Yxy 40.9964, 0.2007, 0.2425 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 184, 247) }
```

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

```
.background{ background-color: rgb(0, 184,  
247) }
```

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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