

Converting Colors

$Y_{xy}(41.0472, 0.2045, 0.2561)$

Have a look what the booklet for
Yxy(41.0472, 0.2045, 0.2561)
contains.

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Color

Yxy(41.2322, 0.2047, 0.2570)

Conversions

Conversions Part 1

Format	Color
Hex	00BAED
RGB	0, 186, 237
RGB Percent	0%, 73%, 93%
CMY	1.0000, 0.2706, 0.0705
CMYK	1.00, 0.22, 0.00, 0.07
HSL	193°, 100%, 46%
HSV	193°, 100%, 93%
XYZ	32.8414, 41.2322, 86.3630
YIQ	136.2000, -127.2270, -23.5710

Conversions

Conversions Part 2

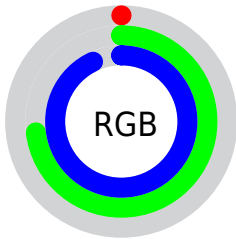
Format	Color
RYB	0, 104, 237
Decimal	47853
CIELab	70.34, -21.29, -36.27
CIELCh	70, 42.061, 239.591
Yxy	41.2322, 0.2047, 0.2570
Android (android.graphics.Color)	4278237933 (0xFF00BAED)
YUV	136.2000, 49.6944, -119.4474
Hunter-Lab	64.2123, -21.0778, -34.7941

Details

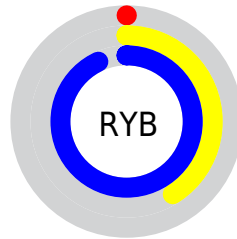
The Yxy color **41.2322, 0.2047, 0.2570** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **20.3766, 0.6171, 0.3482**, and the grayscale version is **24.5483, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.0393, 0.2381, 0.3135**, and **20.1113, 0.2002, 0.2407** is the 20% darker color. If you saturate the color by 10%, you get **41.2372, 0.2047, 0.2570**, and if you desaturate by 10%, it is **43.6158, 0.2084, 0.2649**.

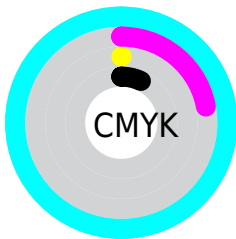
Distribution



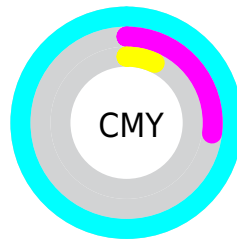
- Red (0%)
- Green (73%)
- Blue (93%)



- Red (0%)
- Yellow (41%)
- Blue (93%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (7%)




- Cyan (100%)
- Magenta (27%)
- Yellow (7%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.2322, 0.2047, 0.2570 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 41.2322, 0.2047, 0.2570 by changing the saturation by 10% instead.


 41.2322, 0.2047,
0.2570

 41.2322, 0.2047,
0.2570


351.2902, 0.2567,
0.2941


 28.5006, 0.1926,
0.2477


 77.0363, 0.2230,
0.2706

 18.7033, 0.1777,
0.2358


 100.8775, 0.2301,
0.2757


 11.4561, 0.1589,
0.2201


 129.1907, 0.2361,
0.2800

 6.3745, 0.1349,
0.1990

 162.3602, 0.2413,
0.2836

 3.0741, 0.1039,
0.1695

 200.7706, 0.2459,
0.2868

 1.1705, 0.0620,
0.1278

244.8061, 0.2500,

 0.0375, 0.0000,

0.2896

0.0102

294.8511, 0.2535,
0.2920

■ 0.0000, 0.0000,
0.0000

■ 41.2322, 0.2047,
0.2570

■ 41.2322, 0.2047,
0.2570

■ 41.2372, 0.2047,
0.2570

■ 43.6158, 0.2084,
0.2649

■ 46.3048, 0.2137,
0.2728

■ 49.3783, 0.2210,
0.2808

■ 52.8802, 0.2302,
0.2887

■ 56.8476, 0.2412,
0.2964

■ 61.3130, 0.2537,
0.3039

■ 66.3055, 0.2675,
0.3109

■ 71.8520, 0.2821,
0.3175

■ 77.9770, 0.2973,
0.3235

Harmonies

Analogous

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



41.2322, 0.2107, 0.3023



41.2322, 0.2047, 0.2570



41.2322, 0.2233, 0.2356

Triad

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



41.2322, 0.2047, 0.2570



41.2322, 0.3848, 0.2936



41.2322, 0.3529, 0.4410

Complementary

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



41.2322, 0.2047, 0.2570



20.3766, 0.6171, 0.3482

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.



41.2322, 0.4046, 0.4247



41.2322, 0.2047, 0.2570



41.2322, 0.4264, 0.3387

Square

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



41.2322, 0.2047, 0.2570



41.2322, 0.3236, 0.2576



41.2322, 0.4329, 0.3855



41.2322, 0.2931, 0.4195

Rectangle

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



41.2322, 0.2047, 0.2570



41.2322, 0.2487, 0.2340



41.2322, 0.4329, 0.3855



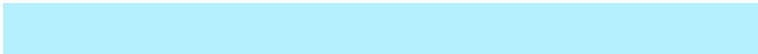
41.2322, 0.3718, 0.4392

Sweetspot

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



41.2372, 0.2047, 0.2570



78.2058, 0.2673, 0.3108



60.7885, 0.2950, 0.5820



16.1892, 0.2614, 0.3079



0.0000, 0.0000, 0.0000



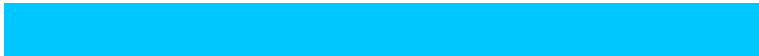
21.4041, 0.3127, 0.3290

Same Dimension

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



41.2372, 0.2047, 0.2570



48.5839, 0.2046, 0.2567



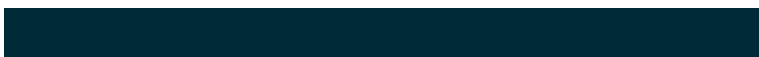
10.6356, 0.1603, 0.0972



16.5396, 0.2981, 0.3238



22.7095, 0.2051, 0.2583



1.9198, 0.2081, 0.2692

Inverse Universe

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



21.5535, 0.3853, 0.1896



25.4357, 0.3856, 0.1898



45.2492, 0.4856, 0.4526



15.2550, 0.3171, 0.3107



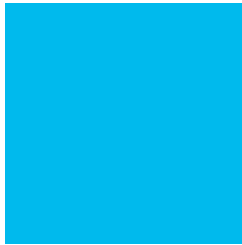
11.7853, 0.3841, 0.1889



0.9392, 0.3736, 0.1832

Previews

White Background



This preview shows how the Yxy color 41.2322, 0.2047, 0.2570 looks on a white background.

Color Contrast Check

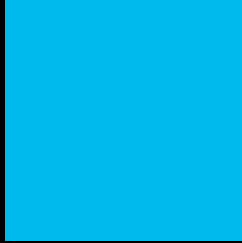
Large Text (above 18pt) WCAG AA × Fail

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 41.2322, 0.2047, 0.2570 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 41.2322, 0.2047, 0.2570

Background



This preview shows how black text looks on a background with the Yxy color 41.2322, 0.2047, 0.2570.

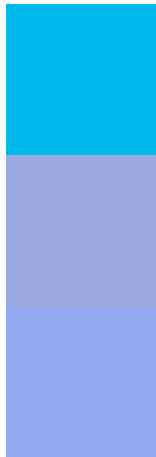


This preview shows how white text looks on a background with the Yxy color 41.2322, 0.2047, 0.2570.

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

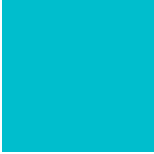
41.2322, 0.2047, 0.2570

Protanopia

40.8257, 0.2611, 0.2577

Deuteranopia

40.8378, 0.2442, 0.2379



Tritanopia

41.2347, 0.2183, 0.3058

Trichromacy



Original Color

41.2322, 0.2047, 0.2570



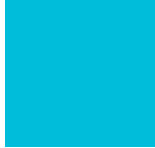
Protanomaly

38.9697, 0.2257, 0.2540



Deuteranomaly

39.2784, 0.2182, 0.2410



Tritanomaly

41.4049, 0.2131, 0.2872

Monochromacy



Original Color

41.2322, 0.2047, 0.2570



Achromatopsia

24.6201, 0.3127, 0.3290



Achromatomaly

28.1546, 0.2426, 0.2966

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.2322, 0.2047, 0.2570 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, 186, 237)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 237)  
}
```

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, 186, 237) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 237) }
```

Border

The CSS property to change the border of an element to Yxy 41.2322, 0.2047, 0.2570 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, 186, 237) }
```

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

```
.border{ border-color:rgb(0, 186, 237) }
```

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

Here you see how a box with a 4 pixel rgb(0, 186, 237) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 237); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 237);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
237) }
```


Background

The CSS property to change the background color of an element to Yxy 41.2322, 0.2047, 0.2570 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 237) }
```

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

```
.background{ background-color: rgb(0, 186,  
237) }
```

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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