

Converting Colors

$Y_{xy}(40.3321, 0.1804, 0.2533)$

Have a look what the booklet for
Yxy(40.3321, 0.1804, 0.2533)
contains.

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Color

Yxy(43.2377, 0.2047, 0.2570)

Conversions

Conversions Part 1

Format	Color
Hex	00BEF2
RGB	0, 190, 242
RGB Percent	0%, 75%, 95%
CMY	1.0000, 0.2549, 0.0508
CMYK	1.00, 0.21, 0.00, 0.05
HSL	193°, 100%, 47%
HSV	193°, 100%, 95%
XYZ	34.4387, 43.2377, 90.5636
YIQ	139.1180, -129.9320, -24.1080

Conversions

Conversions Part 2

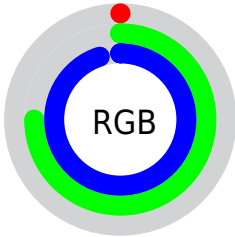
Format	Color
RYB	0, 106, 242
Decimal	48882
CIELab	71.72, -21.63, -36.85
CIELCh	72, 42.732, 239.591
Yxy	43.2377, 0.2047, 0.2570
Android (android.graphics.Color)	4278238962 (0xFF00BEF2)
YUV	139.1180, 50.7208, -122.0065
Hunter-Lab	65.7554, -21.5843, -35.6302

Details

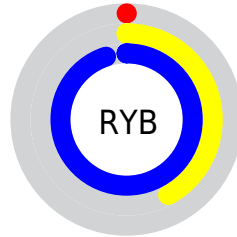
The Yxy color **43.2377, 0.2047, 0.2570** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle saturated azure. A complement of this color would be **21.3426, 0.6174, 0.3480**, and the grayscale version is **25.7084, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5110, 0.2394, 0.3182**, and **21.4365, 0.2003, 0.2411** is the 20% darker color. If you saturate the color by 10%, you get **43.2430, 0.2047, 0.2570**, and if you desaturate by 10%, it is **45.7341, 0.2083, 0.2649**.

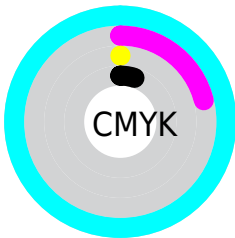
Distribution



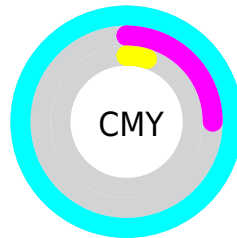
- Red (0%)
- Green (75%)
- Blue (95%)



- Red (0%)
- Yellow (42%)
- Blue (95%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (5%)





- Cyan (100%)
- Magenta (25%)
- Yellow (5%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 43.2377, 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 43.2377, 0.2047, 0.2570 by changing the saturation by 10% instead.


 43.2377, 0.2047,
0.2570


 43.2377, 0.2047,
0.2570


 359.5884, 0.2563,
0.2939

 30.0717, 0.1928,
0.2478


 80.0694, 0.2228,
0.2704


 19.8930, 0.1782,
0.2362


 104.5039, 0.2297,
0.2755


 12.3173, 0.1599,
0.2210


 133.4634, 0.2357,
0.2797

 6.9601, 0.1366,
0.2005

 167.3321, 0.2410,
0.2834

 3.4372, 0.1067,
0.1722

 206.4946, 0.2455,
0.2865

 1.3640, 0.0683,
0.1322

251.3352, 0.2495,

 0.1900, 0.0000,

0.2893

0.0436

302.2384, 0.2531,
0.2917

■ 0.0000, 0.0000,
0.0000

■ 43.2377, 0.2047,
0.2570

■ 43.2377, 0.2047,
0.2570

■ 43.2430, 0.2047,
0.2570

■ 45.7341, 0.2083,
0.2649

■ 48.5515, 0.2136,
0.2728

■ 51.7724, 0.2209,
0.2808

■ 55.4430, 0.2301,
0.2887

■ 59.6025, 0.2411,
0.2964

■ 64.2850, 0.2537,
0.3039

■ 69.5212, 0.2674,
0.3109

■ 75.3394, 0.2821,
0.3175

■ 81.7654, 0.2973,
0.3235

Harmonies

Analogous

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



43.2377, 0.2107, 0.3023



43.2377, 0.2047, 0.2570



43.2377, 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.



43.2377, 0.2047, 0.2570



43.2377, 0.3848, 0.2936



43.2377, 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.



43.2377, 0.2047, 0.2570



21.3426, 0.6174, 0.3480

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.



43.2377, 0.4046, 0.4247



43.2377, 0.2047, 0.2570



43.2377, 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.



43.2377, 0.2047, 0.2570



43.2377, 0.3236, 0.2576



43.2377, 0.4329, 0.3855



43.2377, 0.2931, 0.4195

Rectangle

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



43.2377, 0.2047, 0.2570



43.2377, 0.2487, 0.2340



43.2377, 0.4329, 0.3855



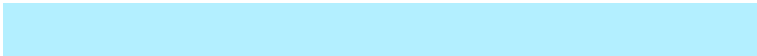
43.2377, 0.3718, 0.4392

Sweetspot

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



43.2430, 0.2047, 0.2570



78.2169, 0.2673, 0.3108



63.7434, 0.2951, 0.5822



16.1919, 0.2614, 0.3079



0.0000, 0.0000, 0.0000



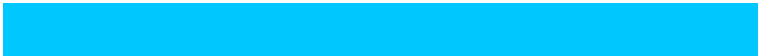
21.4041, 0.3127, 0.3290

Same Dimension

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



43.2430, 0.2047, 0.2570



48.6133, 0.2047, 0.2568



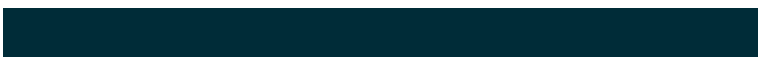
11.1272, 0.1603, 0.0970



17.3185, 0.2981, 0.3238



23.4304, 0.2051, 0.2583



2.0909, 0.2080, 0.2687

Inverse Universe

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



22.6019, 0.3853, 0.1896



25.4387, 0.3855, 0.1897



47.4187, 0.4857, 0.4525



15.9698, 0.3171, 0.3107



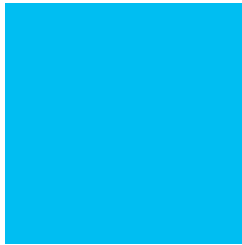
12.1587, 0.3840, 0.1889



1.0258, 0.3741, 0.1834

Previews

White Background



This preview shows how the Yxy color 43.2377, 0.2047, 0.2570 looks on a white background.

Color Contrast Check

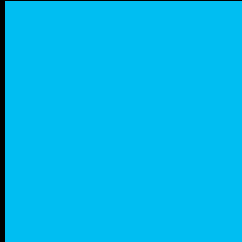
Large Text (above 18pt) WCAG AA × Fail

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 43.2377, 0.2047, 0.2570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

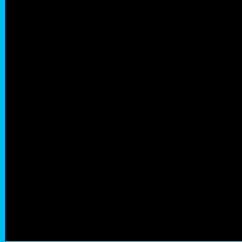
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 43.2377, 0.2047, 0.2570

Background



This preview shows how black text looks on a background with the Yxy color 43.2377, 0.2047, 0.2570.



This preview shows how white text looks on a background with the Yxy color 43.2377, 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

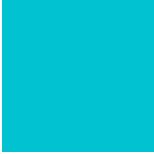
43.2377, 0.2047, 0.2570

Protanopia

42.5331, 0.2605, 0.2566

Deuteranopia

42.9305, 0.2442, 0.2384



Tritanopia

43.1870, 0.2184, 0.3062

Trichromacy



Original Color

43.2377, 0.2047, 0.2570



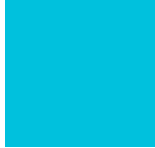
Protanomaly

40.9474, 0.2255, 0.2541



Deuteranomaly

41.2657, 0.2183, 0.2414



Tritanomaly

43.3604, 0.2133, 0.2880

Monochromacy



Original Color

43.2377, 0.2047, 0.2570



Achromatopsia

25.8183, 0.3127, 0.3290



Achromatomaly

29.6630, 0.2426, 0.2988

CSS Examples

Text

The CSS property to change the color of the text to Yxy 43.2377, 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, 190, 242)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 242)  
}
```

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, 190, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 242) }
```

Border

The CSS property to change the border of an element to Yxy 43.2377, 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, 190, 242) }
```

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

```
.border{ border-color:rgb(0, 190, 242) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 190, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 242);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
242) }
```


Background

The CSS property to change the background color of an element to Yxy 43.2377, 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, 190, 242) }
```

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

```
.background{ background-color: rgb(0, 190,  
242) }
```

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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