

Converting Colors

$Y_{xy}(35.6539, 0.1614, 0.2515)$

Have a look what the booklet for
Yxy(35.6539, 0.1614, 0.2515)
contains.

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Color

Yxy(40.2215, 0.2049, 0.2576)

Conversions

Conversions Part 1

Format	Color
Hex	00B8EA
RGB	0, 184, 234
RGB Percent	0%, 72%, 92%
CMY	0.9996, 0.2784, 0.0823
CMYK	1.00, 0.21, 0.00, 0.08
HSL	193°, 100%, 46%
HSV	193°, 100%, 92%
XYZ	31.9930, 40.2215, 83.9249
YIQ	134.6840, -125.7140, -23.4580

Conversions

Conversions Part 2

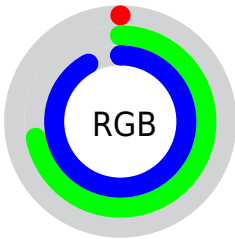
Format	Color
RYB	0, 103, 234
Decimal	47338
CIELab	69.63, -21.27, -35.74
CIElCh	70, 41.593, 239.241
Yxy	40.2215, 0.2049, 0.2576
Android (android.graphics.Color)	4278237418 (0xFF00B8EA)
YUV	134.6840, 48.9628, -118.1179
Hunter-Lab	63.4204, -20.9399, -34.0648

Details

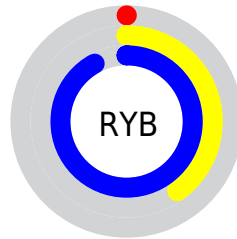
The Yxy color **40.2215, 0.2049, 0.2576** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **19.7842, 0.6172, 0.3481**, and the grayscale version is **23.9676, 0.3127, 0.3290**.

A 20% lighter version of the original color is **72.7914, 0.2372, 0.3110**, and **19.4470, 0.2003, 0.2412** is the 20% darker color. If you saturate the color by 10%, you get **40.2137, 0.2049, 0.2576**, and if you desaturate by 10%, it is **42.5258, 0.2085, 0.2654**.

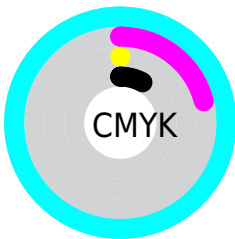
Distribution



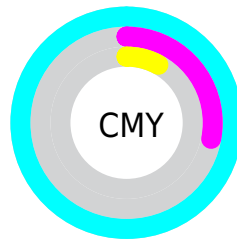
- Red (0%)
- Green (72%)
- Blue (92%)



- Red (0%)
- Yellow (40%)
- Blue (92%)



- Cyan (100%)
- Magenta (21%)
- Yellow (0%)
- Black (8%)



- Cyan (100%)
- Magenta (28%)
- Yellow (8%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 40.2215, 0.2049, 0.2576 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 40.2215, 0.2049, 0.2576 by changing the saturation by 10% instead.

40.2215, 0.2049,
0.2576

40.2215, 0.2049,
0.2576

347.0563, 0.2571,
0.2946

27.7113, 0.1927,
0.2482

75.5007, 0.2233,
0.2712

18.1081, 0.1776,
0.2363

99.0385, 0.2304,
0.2763

11.0277, 0.1586,
0.2205

127.0209, 0.2364,
0.2805

6.0854, 0.1342,
0.1991

159.8323, 0.2417,
0.2842

2.8971, 0.1027,
0.1690

197.8572, 0.2463,
0.2873

1.0783, 0.0579,
0.1265

241.4798, 0.2503,

0.0000, 0.0000,

0.2901

0.0000

291.0848, 0.2539,
0.2925

■ 40.2215, 0.2049,
0.2576

■ 40.2215, 0.2049,
0.2576

■ 40.2137, 0.2049,
0.2576

■ 42.5258, 0.2085,
0.2654

■ 45.1293, 0.2138,
0.2733

■ 48.1053, 0.2211,
0.2812

■ 51.4963, 0.2303,
0.2891

■ 55.3381, 0.2413,
0.2967

■ 59.6623, 0.2538,
0.3041

■ 64.4969, 0.2676,
0.3111

■ 69.8680, 0.2822,
0.3176

■ 75.7994, 0.2973,
0.3236

Harmonies

Analogous

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



40.2215, 0.2111, 0.3030



40.2215, 0.2049, 0.2576



40.2215, 0.2232, 0.2359

Triad

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



40.2215, 0.2049, 0.2576



40.2215, 0.3839, 0.2932



40.2215, 0.3534, 0.4407

Complementary

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



40.2215, 0.2049, 0.2576



19.7842, 0.6172, 0.3481

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.



40.2215, 0.4048, 0.4240



40.2215, 0.2049, 0.2576



40.2215, 0.4258, 0.3381

Square

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



40.2215, 0.2049, 0.2576



40.2215, 0.3229, 0.2574



40.2215, 0.4327, 0.3848



40.2215, 0.2938, 0.4196

Rectangle

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



40.2215, 0.2049, 0.2576



40.2215, 0.2483, 0.2342



40.2215, 0.4327, 0.3848



40.2215, 0.3723, 0.4388

Sweetspot

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



40.2229, 0.2049, 0.2576



78.2696, 0.2673, 0.3109



59.0554, 0.2950, 0.5819



16.2046, 0.2614, 0.3080



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.



40.2229, 0.2049, 0.2576



48.7530, 0.2048, 0.2572



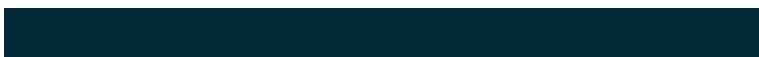
10.3558, 0.1604, 0.0974



16.5435, 0.2981, 0.3238



22.7866, 0.2052, 0.2588



1.9253, 0.2082, 0.2696

Inverse Universe

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



20.9567, 0.3847, 0.1893



25.4528, 0.3851, 0.1895



43.9860, 0.4855, 0.4527



15.2554, 0.3171, 0.3107



11.7931, 0.3836, 0.1887



0.9398, 0.3732, 0.1829

Previews

White Background



This preview shows how the Yxy color 40.2215, 0.2049, 0.2576 looks on a white background.

Color Contrast Check

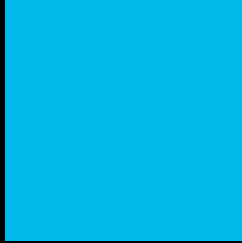
Large Text (above 18pt) WCAG AA × Fail

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 40.2215, 0.2049, 0.2576 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

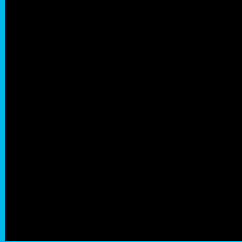
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.2215, 0.2049, 0.2576

Background



This preview shows how black text looks on a background with the Yxy color 40.2215, 0.2049, 0.2576.



This preview shows how white text looks on a background with the Yxy color 40.2215, 0.2049, 0.2576.

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

40.2215, 0.2049, 0.2576

Protanopia

39.7279, 0.2612, 0.2582

Deuteranopia

39.7398, 0.2442, 0.2381



Tritanopia

40.2307, 0.2186, 0.3071

Trichromacy



Original Color

40.2215, 0.2049, 0.2576



Protanomaly

37.9748, 0.2259, 0.2545



Deuteranomaly

38.2769, 0.2184, 0.2413



Tritanomaly

40.3957, 0.2134, 0.2882

Monochromacy



Original Color

40.2215, 0.2049, 0.2576



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.7012, 0.2429, 0.2980

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.2215, 0.2049, 0.2576 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, 234)` looks like.

```
.text, #text, p{  
    color:rgb(0, 184, 234)  
}
```

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, 234) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 184, 234) }
```

Border

The CSS property to change the border of an element to Yxy 40.2215, 0.2049, 0.2576 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, 234) }
```

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

```
.border{ border-color:rgb(0, 184, 234) }
```

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, 234)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 184, 234); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 184, 234);  
box-shadow:4px 4px 4px 4px rgb(0, 184,  
234) }
```


Background

The CSS property to change the background color of an element to Yxy 40.2215, 0.2049, 0.2576 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, 234) }
```

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

```
.background{ background-color: rgb(0, 184,  
234) }
```

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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