

Converting Colors

$Y_{xy}(32.2105, 0.1540, 0.2483)$

Have a look what the booklet for
Yxy(32.2105, 0.1540, 0.2483)
contains.

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Color

Yxy(37.3868, 0.2047, 0.2570)

Conversions

Conversions Part 1

Format	Color
Hex	00B2E3
RGB	0, 178, 227
RGB Percent	0%, 70%, 89%
CMY	1.0000, 0.3019, 0.1099
CMYK	1.00, 0.22, 0.00, 0.11
HSL	193°, 100%, 45%
HSV	193°, 100%, 89%
XYZ	29.7785, 37.3868, 78.3086
YIQ	130.3640, -121.8170, -22.4970

Conversions

Conversions Part 2

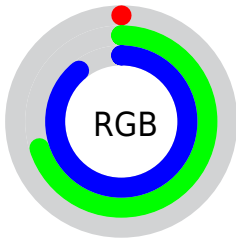
Format	Color
RYB	0, 100, 227
Decimal	45795
CIELab	67.57, -20.61, -35.11
CIELCh	68, 40.711, 239.591
Yxy	37.3868, 0.2047, 0.2570
Android (android.graphics.Color)	4278235875 (0xFF00B2E3)
YUV	130.3640, 47.6415, -114.3292
Hunter-Lab	61.1447, -20.0708, -33.1319

Details

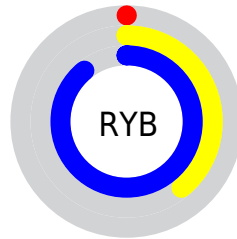
The Yxy color **37.3868, 0.2047, 0.2570** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **18.5228, 0.6167, 0.3486**, and the grayscale version is **22.3214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1914, 0.2349, 0.3036**, and **17.6075, 0.1999, 0.2397** is the 20% darker color. If you saturate the color by 10%, you get **37.3914, 0.2047, 0.2570**, and if you desaturate by 10%, it is **39.5540, 0.2084, 0.2649**.

Distribution



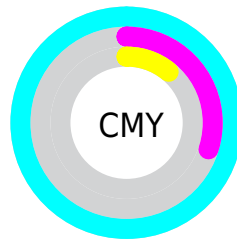
- Red (0%)
- Green (70%)
- Blue (89%)



- Red (0%)
- Yellow (39%)
- Blue (89%)



- Cyan (100%)
- Magenta (22%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (30%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3868, 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 37.3868, 0.2047, 0.2570 by changing the saturation by 10% instead.

37.3868, 0.2047,
0.2570

37.3868, 0.2047,
0.2570

334.9821, 0.2576,
0.2947

25.5071, 0.1922,
0.2473

71.1673, 0.2235,
0.2710

16.4553, 0.1765,
0.2348

93.8369, 0.2307,
0.2761

9.8469, 0.1568,
0.2183

120.8719, 0.2368,
0.2805

5.2976, 0.1312,
0.1956

152.6567, 0.2421,
0.2842

2.4229, 0.0980,
0.1635

189.5758, 0.2468,
0.2874

0.8376, 0.0416,
0.1189

232.0134, 0.2508,

0.0000, 0.0000,

0.2902

0.0000

280.3541, 0.2544,
0.2926

■ 37.3868, 0.2047,
0.2570

■ 37.3868, 0.2047,
0.2570

■ 37.3914, 0.2047,
0.2570

■ 39.5540, 0.2084,
0.2649

■ 41.9966, 0.2138,
0.2728

■ 44.7873, 0.2211,
0.2808

■ 47.9655, 0.2303,
0.2887

■ 51.5645, 0.2413,
0.2964

■ 55.6136, 0.2538,
0.3039

■ 60.1389, 0.2676,
0.3109

■ 65.1645, 0.2822,
0.3175

■ 70.7126, 0.2973,
0.3235

Harmonies

Analogous

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



37.3868, 0.2107, 0.3023



37.3868, 0.2047, 0.2570



37.3868, 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.



37.3868, 0.2047, 0.2570



37.3868, 0.3848, 0.2936



37.3868, 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.



37.3868, 0.2047, 0.2570



18.5228, 0.6167, 0.3486

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.



37.3868, 0.4046, 0.4247



37.3868, 0.2047, 0.2570



37.3868, 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.



37.3868, 0.2047, 0.2570



37.3868, 0.3236, 0.2576



37.3868, 0.4329, 0.3855



37.3868, 0.2931, 0.4195

Rectangle

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



37.3868, 0.2047, 0.2570



37.3868, 0.2487, 0.2340



37.3868, 0.4329, 0.3855



37.3868, 0.3718, 0.4392

Sweetspot

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



37.3914, 0.2047, 0.2570



78.1820, 0.2673, 0.3108



55.1227, 0.2949, 0.5817



16.1835, 0.2613, 0.3078



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.



37.3914, 0.2047, 0.2570



48.5211, 0.2046, 0.2565



9.6911, 0.1605, 0.0976



15.7809, 0.2981, 0.3238



21.9873, 0.2051, 0.2582



1.7564, 0.2083, 0.2697

Inverse Universe

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



19.5434, 0.3853, 0.1896



25.4294, 0.3858, 0.1899



41.0869, 0.4854, 0.4528



14.5592, 0.3171, 0.3108



11.4173, 0.3842, 0.1890



0.8570, 0.3731, 0.1829

Previews

White Background



This preview shows how the Yxy color 37.3868, 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 37.3868, 0.2047, 0.2570 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

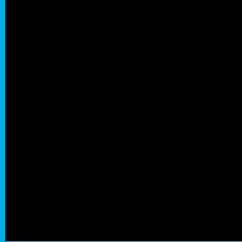
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.3868, 0.2047, 0.2570

Background



This preview shows how black text looks on a background with the Yxy color 37.3868, 0.2047, 0.2570.

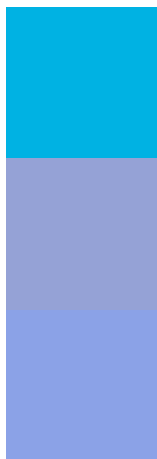


This preview shows how white text looks on a background with the Yxy color 37.3868, 0.2047, 0.2570.

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

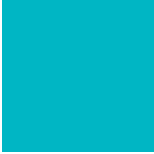
37.3868, 0.2047, 0.2570

Protanopia

37.0853, 0.2613, 0.2587

Deuteranopia

37.0992, 0.2438, 0.2380



Tritanopia

37.4414, 0.2185, 0.3065

Trichromacy



Original Color

37.3868, 0.2047, 0.2570



Protanomaly

35.5526, 0.2262, 0.2553



Deuteranomaly

35.7931, 0.2181, 0.2416



Tritanomaly

37.5527, 0.2135, 0.2885

Monochromacy



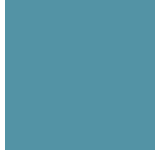
Original Color

37.3868, 0.2047, 0.2570



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

25.4230, 0.2428, 0.2969

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3868, 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, 178, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 227)  
}
```

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, 178, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 227) }
```

Border

The CSS property to change the border of an element to Yxy 37.3868, 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, 178, 227) }
```

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

```
.border{ border-color:rgb(0, 178, 227) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 178, 227)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3868, 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, 178, 227) }
```

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

```
.background{ background-color: rgb(0, 178,  
227) }
```

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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