

Converting Colors

$Y_{xy}(32.3870, 0.1524, 0.2439)$

Have a look what the booklet for
Yxy(32.3870, 0.1524, 0.2439)
contains.

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Color

Yxy(37.5540, 0.2037, 0.2533)

Conversions

Conversions Part 1

Format	Color
Hex	00B2E6
RGB	0, 178, 230
RGB Percent	0%, 70%, 90%
CMY	1.0000, 0.3019, 0.0981
CMYK	1.00, 0.23, 0.00, 0.10
HSL	194°, 100%, 45%
HSV	194°, 100%, 90%
XYZ	30.2004, 37.5540, 80.5046
YIQ	130.7060, -122.7800, -21.5640

Conversions

Conversions Part 2

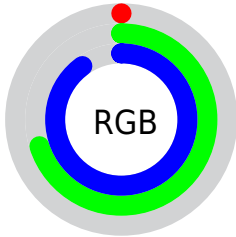
Format	Color
RYB	0, 100, 230
Decimal	45798
CIELab	67.69, -19.55, -36.56
CIELCh	68, 41.453, 241.866
Yxy	37.5540, 0.2037, 0.2533
Android (android.graphics.Color)	4278235878 (0xFF00B2E6)
YUV	130.7060, 48.9519, -114.6292
Hunter-Lab	61.2813, -19.2748, -34.9917

Details

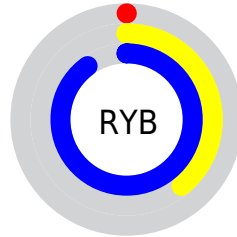
The Yxy color **37.5540, 0.2037, 0.2533** is a dark color, and the websafe version is hex **33CCFF**. The color can be described as middle washed azure. A complement of this color would be **19.2734, 0.6148, 0.3500**, and the grayscale version is **22.4426, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.1914, 0.2349, 0.3036**, and **17.7232, 0.1987, 0.2351** is the 20% darker color. If you saturate the color by 10%, you get **37.5554, 0.2037, 0.2533**, and if you desaturate by 10%, it is **39.8453, 0.2075, 0.2616**.

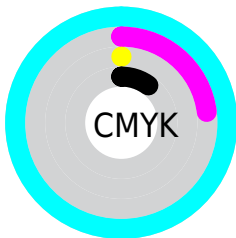
Distribution



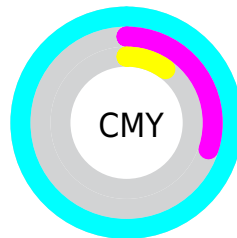
- Red (0%)
- Green (70%)
- Blue (90%)



- Red (0%)
- Yellow (39%)
- Blue (90%)



- Cyan (100%)
- Magenta (23%)
- Yellow (0%)
- Black (10%)




- Cyan (100%)
- Magenta (30%)
- Yellow (10%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.5540, 0.2037, 0.2533 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 37.5540, 0.2037, 0.2533 by changing the saturation by 10% instead.


 37.5540, 0.2037,
0.2533


 37.5540, 0.2037,
0.2533


335.7029, 0.2570,
0.2927

 25.6367, 0.1911,
0.2433


 71.4240, 0.2226,
0.2678


 16.5521, 0.1755,
0.2304


 94.1456, 0.2298,
0.2732


 9.9156, 0.1557,
0.2135

 121.2373, 0.2360,
0.2778

 5.3431, 0.1303,
0.1904

 153.0836, 0.2414,
0.2817

 2.4499, 0.0974,
0.1581

 190.0690, 0.2460,
0.2850

 0.8514, 0.0443,
0.1136

232.5777, 0.2501,

 0.0000, 0.0000,

0.2879

0.0000

280.9942, 0.2538,
0.2905

■ 37.5540, 0.2037,
0.2533

■ 37.5540, 0.2037,
0.2533

■ 37.5554, 0.2037,
0.2533

■ 39.8453, 0.2075,
0.2616

■ 42.4309, 0.2130,
0.2699

■ 45.3822, 0.2204,
0.2784

■ 48.7400, 0.2298,
0.2867

■ 52.5388, 0.2410,
0.2948

■ 56.8089, 0.2536,
0.3026

■ 61.5776, 0.2674,
0.3100

■ 66.8696, 0.2821,
0.3169

■ 72.7081, 0.2973,
0.3232

Harmonies

Analogous

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



37.5540, 0.2078, 0.2975



37.5540, 0.2037, 0.2533



37.5540, 0.2244, 0.2335

Triad

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



37.5540, 0.2037, 0.2533



37.5540, 0.3902, 0.2962



37.5540, 0.3488, 0.4428

Complementary

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



37.5540, 0.2037, 0.2533



19.2734, 0.6148, 0.3500

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.



37.5540, 0.4026, 0.4284



37.5540, 0.2037, 0.2533



37.5540, 0.4302, 0.3423

Square

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



37.5540, 0.2037, 0.2533



37.5540, 0.3286, 0.2588



37.5540, 0.4338, 0.3896



37.5540, 0.2882, 0.4178

Rectangle

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



37.5540, 0.2037, 0.2533



37.5540, 0.2512, 0.2331



37.5540, 0.4338, 0.3896



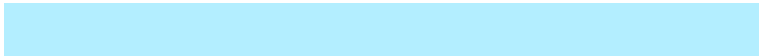
37.5540, 0.3683, 0.4419

Sweetspot

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



37.5554, 0.2037, 0.2533



77.7254, 0.2672, 0.3099



56.8115, 0.2942, 0.5790



16.0735, 0.2612, 0.3068



0.0000, 0.0000, 0.0000



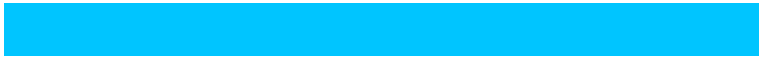
21.4041, 0.3127, 0.3290

Same Dimension

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



37.5554, 0.2037, 0.2533



47.3215, 0.2036, 0.2528



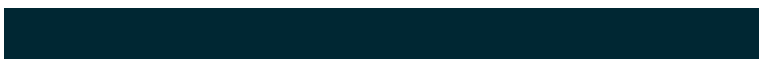
9.5112, 0.1594, 0.0937



15.7549, 0.2981, 0.3236



21.4574, 0.2041, 0.2546



1.7214, 0.2074, 0.2667

Inverse Universe

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



20.0344, 0.3890, 0.1916



25.3083, 0.3894, 0.1919



43.6649, 0.4811, 0.4562



14.5566, 0.3172, 0.3110



11.3639, 0.3877, 0.1909



0.8535, 0.3759, 0.1845

Previews

White Background



This preview shows how the Yxy color 37.5540, 0.2037, 0.2533 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 37.5540, 0.2037, 0.2533 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

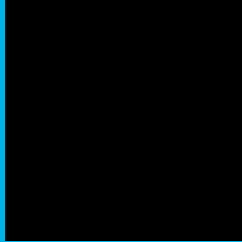
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5540, 0.2037, 0.2533

Background



This preview shows how black text looks on a background with the Yxy color 37.5540, 0.2037, 0.2533.

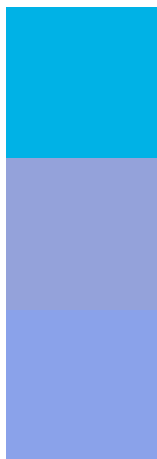


This preview shows how white text looks on a background with the Yxy color 37.5540, 0.2037, 0.2533.

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

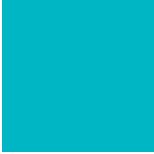
37.5540, 0.2037, 0.2533

Protanopia

37.1985, 0.2579, 0.2539

Deuteranopia

37.1844, 0.2414, 0.2347



Tritanopia

37.4414, 0.2185, 0.3065

Trichromacy



Original Color

37.5540, 0.2037, 0.2533



Protanomaly

35.6589, 0.2243, 0.2515



Deuteranomaly

35.9632, 0.2168, 0.2382



Tritanomaly

37.6018, 0.2131, 0.2871

Monochromacy



Original Color

37.5540, 0.2037, 0.2533



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

25.8088, 0.2419, 0.2954

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5540, 0.2037, 0.2533 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, 230)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 230)  
}
```

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, 230) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 230) }
```

Border

The CSS property to change the border of an element to Yxy 37.5540, 0.2037, 0.2533 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, 230) }
```

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

```
.border{ border-color:rgb(0, 178, 230) }
```

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, 230) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 230); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 230);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
230) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5540, 0.2037, 0.2533 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, 230) }
```

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

```
.background{ background-color: rgb(0, 178,  
230) }
```

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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