

Converting Colors

$Y_{xy}(37.0657, 0.2005, 0.2859)$

Have a look what the booklet for
Yxy(37.0657, 0.2005, 0.2859)
contains.

Yxy(38.5201, 0.2132, 0.2875)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(38.5201, 0.2132, 0.2875)

Conversions

Conversions Part 1

Format	Color
Hex	00B7D2
RGB	0, 183, 210
RGB Percent	0%, 72%, 82%
CMY	1.0000, 0.2823, 0.1765
CMYK	1.00, 0.13, 0.00, 0.18
HSL	188°, 100%, 41%
HSV	188°, 100%, 82%
XYZ	28.5652, 38.5201, 66.8977
YIQ	131.3610, -117.7350, -30.3990

Conversions

Conversions Part 2

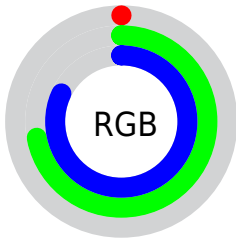
Format	Color
RYB	0, 98, 210
Decimal	47058
CIELab	68.40, -28.89, -24.50
CIELCh	68, 37.880, 220.308
Yxy	38.5201, 0.2132, 0.2875
Android (android.graphics.Color)	4278237138 (0xFF00B7D2)
YUV	131.3610, 38.7690, -115.2036
Hunter-Lab	62.0646, -26.4585, -20.4619

Details

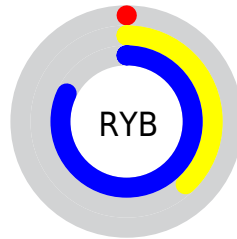
The Yxy color **38.5201, 0.2132, 0.2875** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **14.4842, 0.6297, 0.3382**, and the grayscale version is **22.7235, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.8961, 0.2353, 0.3097**, and **18.3318, 0.2104, 0.2776** is the 20% darker color. If you saturate the color by 10%, you get **38.5215, 0.2132, 0.2875**, and if you desaturate by 10%, it is **39.8051, 0.2159, 0.2919**.

Distribution



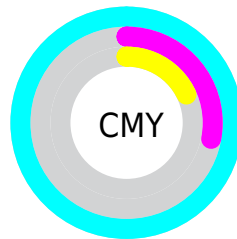
- Red (0%)
- Green (72%)
- Blue (82%)



- Red (0%)
- Yellow (38%)
- Blue (82%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (18%)





- Cyan (100%)
- Magenta (28%)
- Yellow (18%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 38.5201, 0.2132, 0.2875 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 38.5201, 0.2132, 0.2875 by changing the saturation by 10% instead.


 38.5201, 0.2132,
0.2875

 38.5201, 0.2132,
0.2875


339.8458, 0.2622,
0.3103


 26.3866, 0.2014,
0.2812


 72.9046, 0.2307,
0.2962


 17.1131, 0.1866,
0.2729


 95.9244, 0.2374,
0.2994


 10.3151, 0.1675,
0.2614


 123.3418, 0.2431,
0.3020

 5.6084, 0.1424,
0.2447

 155.5411, 0.2480,
0.3042

 2.6085, 0.1086,
0.2189

 192.9068, 0.2523,
0.3061

 0.9309, 0.0349,
0.1816

235.8232, 0.2560,

 0.0000, 0.0000,

0.3077

0.0000

284.6747, 0.2593,
0.3091

■ 38.5201, 0.2132,
0.2875

■ 38.5201, 0.2132,
0.2875

■ 38.5215, 0.2132,
0.2875

■ 39.8051, 0.2159,
0.2919

■ 41.2835, 0.2201,
0.2964

■ 43.0152, 0.2262,
0.3010

■ 45.0322, 0.2343,
0.3055

■ 47.3613, 0.2442,
0.3099

■ 50.0262, 0.2557,
0.3142

■ 53.0482, 0.2686,
0.3183

■ 56.4468, 0.2826,
0.3222

■ 60.2397, 0.2974,
0.3257

Harmonies

Analogous

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



38.5201, 0.2341, 0.3407



38.5201, 0.2132, 0.2875



38.5201, 0.2159, 0.2528

Triad

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



38.5201, 0.2132, 0.2875



38.5201, 0.3438, 0.2733



38.5201, 0.3828, 0.4262

Complementary

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



38.5201, 0.2132, 0.2875



14.4842, 0.6297, 0.3382

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.



38.5201, 0.4179, 0.3964



38.5201, 0.2132, 0.2875



38.5201, 0.3958, 0.3108

Square

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



38.5201, 0.2132, 0.2875



38.5201, 0.2868, 0.2481



38.5201, 0.4236, 0.3544



38.5201, 0.3307, 0.4289

Rectangle

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



38.5201, 0.2132, 0.2875



38.5201, 0.2304, 0.2420



38.5201, 0.4236, 0.3544



38.5201, 0.3971, 0.4185

Sweetspot

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



38.5215, 0.2132, 0.2875



82.1505, 0.2681, 0.3182



46.1583, 0.2978, 0.5921



17.1425, 0.2625, 0.3165



0.0000, 0.0000, 0.0000



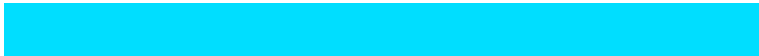
21.4041, 0.3127, 0.3290

Same Dimension

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



38.5215, 0.2132, 0.2875



59.5824, 0.2131, 0.2870



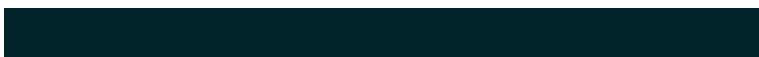
10.4633, 0.1667, 0.1200



13.1370, 0.2983, 0.3259



23.6029, 0.2134, 0.2882



1.3937, 0.2157, 0.2963

Inverse Universe

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



17.1198, 0.3566, 0.1738



26.5460, 0.3570, 0.1740



29.5323, 0.5079, 0.4349



11.9818, 0.3157, 0.3090



10.4540, 0.3560, 0.1735



0.5920, 0.3487, 0.1694

Previews

White Background



This preview shows how the Yxy color 38.5201, 0.2132, 0.2875 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 38.5201, 0.2132, 0.2875 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

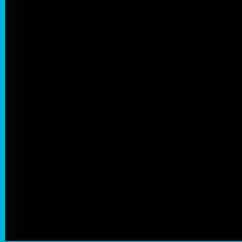
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 38.5201, 0.2132, 0.2875

Background



This preview shows how black text looks on a background with the Yxy color 38.5201, 0.2132, 0.2875.



This preview shows how white text looks on a background with the Yxy color 38.5201, 0.2132, 0.2875.

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

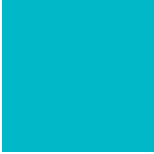
38.5201, 0.2132, 0.2875

Protanopia

37.9531, 0.2815, 0.2837

Deuteranopia

38.1686, 0.2661, 0.2599



Tritanopia

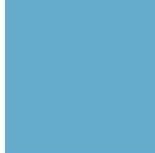
38.4045, 0.2181, 0.3052

Trichromacy



Original Color

38.5201, 0.2132, 0.2875



Protanomaly

36.1568, 0.2390, 0.2825



Deuteranomaly

36.2062, 0.2318, 0.2662



Tritanomaly

38.5928, 0.2165, 0.2992

Monochromacy



Original Color

38.5201, 0.2132, 0.2875



Achromatopsia

22.6966, 0.3127, 0.3290



Achromatomaly

26.1898, 0.2472, 0.3110

CSS Examples

Text

The CSS property to change the color of the text to Yxy 38.5201, 0.2132, 0.2875 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, 183, 210)` looks like.

```
.text, #text, p{  
    color:rgb(0, 183, 210)  
}
```

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, 183, 210) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 183, 210) }
```

Border

The CSS property to change the border of an element to Yxy 38.5201, 0.2132, 0.2875 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, 183, 210) }
```

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

```
.border{ border-color:rgb(0, 183, 210) }
```

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

Here you see how a box with a 4 pixel rgb(0, 183, 210) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 183, 210); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 183, 210);  
box-shadow:4px 4px 4px 4px rgb(0, 183,  
210) }
```


Background

The CSS property to change the background color of an element to Yxy 38.5201, 0.2132, 0.2875 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 183, 210) }
```

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

```
.background{ background-color: rgb(0, 183,  
210) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor