

Converting Colors

$Y_{xy}(37.2769, 0.2141, 0.2774)$

Have a look what the booklet for
Yxy(37.2769, 0.2141, 0.2774)
contains.

Yxy(37.4376, 0.2140, 0.2773)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(37.4376, 0.2140, 0.2773)

Conversions

Conversions Part 1

Format	Color
Hex	25B3D5
RGB	37, 179, 213
RGB Percent	15%, 70%, 84%
CMY	0.8556, 0.2980, 0.1646
CMYK	0.83, 0.16, 0.00, 0.16
HSL	192°, 71%, 49%
HSV	192°, 83%, 84%
XYZ	28.8916, 37.4376, 68.6784
YIQ	140.4180, -95.5460, -19.5300

Conversions

Conversions Part 2

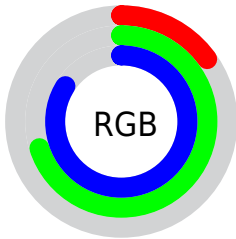
Format	Color
R_{YB}	37, 116, 213
Decimal	2470869
CIE _{Lab}	67.60, -24.18, -27.38
CIE _{LCh}	68, 36.522, 228.553
Yxy	37.4376, 0.2140, 0.2773
Android (android.graphics.Color)	4280660949 (0xFF25B3D5)
YUV	140.4180, 35.7829, -90.6976
Hunter-Lab	61.1863, -22.7898, -23.7195

Details

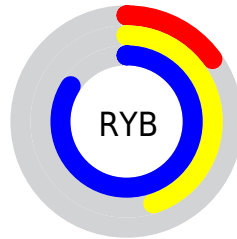
The Yxy color **37.4376, 0.2140, 0.2773** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **18.7711, 0.5711, 0.3570**, and the grayscale version is **26.2631, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2141, 0.2376, 0.3050**, and **17.3903, 0.2065, 0.2635** is the 20% darker color. If you saturate the color by 10%, you get **35.5302, 0.2094, 0.2703**, and if you desaturate by 10%, it is **39.6261, 0.2205, 0.2844**.

Distribution



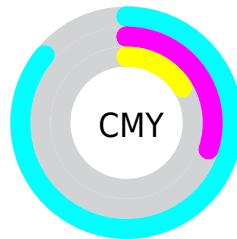
- Red (15%)
- Green (70%)
- Blue (84%)



- Red (15%)
- Yellow (45%)
- Blue (84%)



- Cyan (83%)
- Magenta (16%)
- Yellow (0%)
- Black (16%)





- Cyan (86%)
- Magenta (30%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.4376, 0.2140, 0.2773 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 37.4376, 0.2140, 0.2773 by changing the saturation by 10% instead.


 37.4376, 0.2140,
0.2773


 37.4376, 0.2140,
0.2773


335.2012, 0.2628,
0.3052

 25.5465, 0.2022,
0.2699


 71.2453, 0.2315,
0.2878


 16.4847, 0.1874,
0.2601


 93.9307, 0.2381,
0.2917

 9.8678, 0.1683,
0.2467


 120.9829, 0.2438,
0.2949

 5.3114, 0.1432,
0.2276

 152.7865, 0.2487,
0.2976

 2.4311, 0.1093,
0.1990

 189.7257, 0.2529,
0.2999

 0.8418, 0.0393,
0.1575

232.1849, 0.2566,

 0.0000, 0.0000,

0.3019

0.0000

280.5487, 0.2599,
0.3036

■ 37.4376, 0.2140,
0.2773

■ 37.4376, 0.2140,
0.2773

■ 35.5302, 0.2094,
0.2703

■ 39.6261, 0.2205,
0.2844

■ 34.2720, 0.2070,
0.2653

■ 42.1269, 0.2289,
0.2914

■ 44.9710, 0.2391,
0.2982

■ 48.1839, 0.2510,
0.3049

■ 51.7885, 0.2642,
0.3112

■ 55.8056, 0.2784,
0.3172

■ 60.2546, 0.2932,
0.3227

■ 65.1534, 0.3085,
0.3277

■ 70.5187, 0.3239,
0.3323

Harmonies

Analogous

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



37.4376, 0.2282, 0.3251



37.4376, 0.2140, 0.2773



37.4376, 0.2229, 0.2492

Triad

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



37.4376, 0.2140, 0.2773



37.4376, 0.3583, 0.2837



37.4376, 0.3683, 0.4275

Complementary

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



37.4376, 0.2140, 0.2773



18.7711, 0.5711, 0.3570

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.



37.4376, 0.4083, 0.4046



37.4376, 0.2140, 0.2773



37.4376, 0.4040, 0.3228

Square

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



37.4376, 0.2140, 0.2773



37.4376, 0.3022, 0.2553



37.4376, 0.4225, 0.3658



37.4376, 0.3154, 0.4206

Rectangle

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



37.4376, 0.2140, 0.2773



37.4376, 0.2411, 0.2425



37.4376, 0.4225, 0.3658



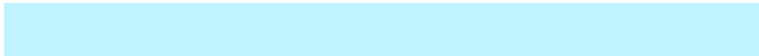
37.4376, 0.3838, 0.4226

Sweetspot

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



37.4389, 0.2140, 0.2773



82.2441, 0.2747, 0.3157



48.4284, 0.2923, 0.5521



17.1419, 0.2696, 0.3136



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.



37.4389, 0.2140, 0.2773



51.4990, 0.2071, 0.2653



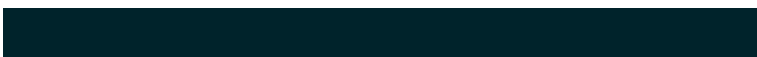
12.9580, 0.1768, 0.1375



13.6813, 0.2983, 0.3244



21.0705, 0.2073, 0.2663



1.3778, 0.2106, 0.2783

Inverse Universe

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



18.7184, 0.3649, 0.1885



25.7837, 0.3773, 0.1855



38.4774, 0.4669, 0.4505



12.5897, 0.3167, 0.3104



10.4719, 0.3764, 0.1847



0.6424, 0.3651, 0.1785

Previews

White Background



This preview shows how the Yxy color 37.4376, 0.2140, 0.2773 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 37.4376, 0.2140, 0.2773 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

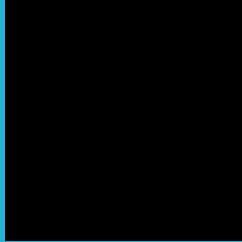
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.4376, 0.2140, 0.2773

Background



This preview shows how black text looks on a background with the Yxy color 37.4376, 0.2140, 0.2773.



This preview shows how white text looks on a background with the Yxy color 37.4376, 0.2140, 0.2773.

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

37.4376, 0.2140, 0.2773

Protanopia

36.9277, 0.2742, 0.2752

Deuteranopia

36.9835, 0.2599, 0.2540



Tritanopia

37.4414, 0.2185, 0.3065

Trichromacy



Original Color

37.4376, 0.2140, 0.2773



Protanomaly

35.7925, 0.2422, 0.2745



Deuteranomaly

36.2143, 0.2350, 0.2603



Tritanomaly

37.3976, 0.2164, 0.2959

Monochromacy



Original Color

37.4376, 0.2140, 0.2773



Achromatopsia

26.2251, 0.3127, 0.3290



Achromatomaly

28.7260, 0.2566, 0.3070

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4376, 0.2140, 0.2773 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(37, 179, 213)` looks like.

```
.text, #text, p{  
    color:rgb(37, 179, 213)  
}
```

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(37, 179, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(37, 179, 213) }
```

Border

The CSS property to change the border of an element to Yxy 37.4376, 0.2140, 0.2773 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(37, 179, 213) }
```

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

```
.border{ border-color:rgb(37, 179, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(37, 179, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(37, 179, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(37, 179, 213);  
box-shadow:4px 4px 4px 4px rgb(37, 179,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4376, 0.2140, 0.2773 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(37, 179, 213) }
```

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

```
.background{ background-color: rgb(37, 179,  
213) }
```

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