

Converting Colors

$Y_{xy}(40.8612, 0.2138, 0.2896)$

Have a look what the booklet for
Yxy(40.8612, 0.2138, 0.2896)
contains.

Yxy(40.8215, 0.2138, 0.2898)	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(40.8215, 0.2138, 0.2898)

Conversions

Conversions Part 1

Format	Color
Hex	00BCD6
RGB	0, 188, 214
RGB Percent	0%, 74%, 84%
CMY	1.0000, 0.2627, 0.1607
CMYK	1.00, 0.12, 0.00, 0.16
HSL	187°, 100%, 42%
HSV	187°, 100%, 84%
XYZ	30.1161, 40.8215, 69.9234
YIQ	134.7520, -120.3940, -31.7700

Conversions

Conversions Part 2

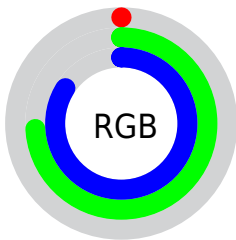
Format	Color
RYB	0, 100, 214
Decimal	48342
CIELab	70.05, -30.04, -24.19
CIELCh	70, 38.565, 218.843
Yxy	40.8215, 0.2138, 0.2898
Android (android.graphics.Color)	4278238422 (0xFF00BCD6)
YUV	134.7520, 39.0693, -118.1775
Hunter-Lab	63.8917, -27.6725, -20.1630

Details

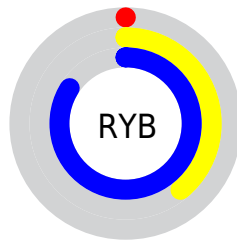
The Yxy color **40.8215, 0.2138, 0.2898** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **15.0384, 0.6307, 0.3374**, and the grayscale version is **24.0214, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.5890, 0.2376, 0.3170**, and **19.5534, 0.2108, 0.2788** is the 20% darker color. If you saturate the color by 10%, you get **40.8273, 0.2138, 0.2898**, and if you desaturate by 10%, it is **42.1126, 0.2164, 0.2940**.

Distribution



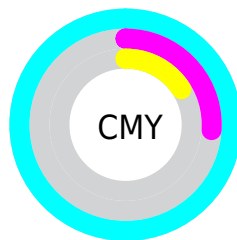
- Red (0%)
- Green (74%)
- Blue (84%)



- Red (0%)
- Yellow (39%)
- Blue (84%)



- Cyan (100%)
- Magenta (12%)
- Yellow (0%)
- Black (16%)





- Cyan (100%)
- Magenta (26%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8215, 0.2138, 0.2898 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 40.8215, 0.2138, 0.2898 by changing the saturation by 10% instead.


 40.8215, 0.2138,
0.2898


 40.8215, 0.2138,
0.2898


349.5740, 0.2621,
0.3113


 28.1796, 0.2023,
0.2839


 76.4129, 0.2310,
0.2980

 18.4611, 0.1879,
0.2762

 100.1311, 0.2376,
0.3010


 11.2815, 0.1695,
0.2655


 128.3103, 0.2432,
0.3034

 6.2565, 0.1453,
0.2501

 161.3348, 0.2480,
0.3055

 3.0017, 0.1129,
0.2264

 199.5891, 0.2522,
0.3073

 1.1326, 0.0545,
0.1904

243.4574, 0.2559,

 0.0056, 0.0000,

0.3088

0.0029

293.3243, 0.2592,
0.3101

■ 0.0000, 0.0000,
0.0000

■ 40.8215, 0.2138,
0.2898

■ 40.8215, 0.2138,
0.2898

■ 40.8273, 0.2138,
0.2898

■ 42.1126, 0.2164,
0.2940

■ 43.5997, 0.2206,
0.2982

■ 45.3490, 0.2266,
0.3025

■ 47.3941, 0.2345,
0.3068

■ 49.7632, 0.2443,
0.3110

■ 52.4811, 0.2557,
0.3150

■ 55.5701, 0.2686,
0.3189

■ 59.0504, 0.2826,
0.3225

■ 62.9408, 0.2974,
0.3259

Harmonies

Analogous

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



40.8215, 0.2358, 0.3435



40.8215, 0.2138, 0.2898



40.8215, 0.2153, 0.2541

Triad

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



40.8215, 0.2138, 0.2898



40.8215, 0.3410, 0.2718



40.8215, 0.3850, 0.4251

Complementary

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



40.8215, 0.2138, 0.2898



15.0384, 0.6307, 0.3374

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.



40.8215, 0.4188, 0.3945



40.8215, 0.2138, 0.2898



40.8215, 0.3936, 0.3088

Square

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



40.8215, 0.2138, 0.2898



40.8215, 0.2842, 0.2474



40.8215, 0.4229, 0.3522



40.8215, 0.3334, 0.4294

Rectangle

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



40.8215, 0.2138, 0.2898



40.8215, 0.2291, 0.2426



40.8215, 0.4229, 0.3522



40.8215, 0.3989, 0.4170

Sweetspot

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



40.8273, 0.2138, 0.2898



82.4753, 0.2682, 0.3188



48.1736, 0.2978, 0.5922



17.2212, 0.2626, 0.3171



0.0000, 0.0000, 0.0000



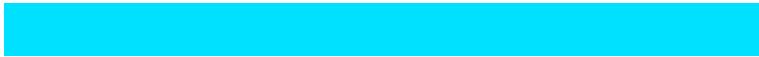
21.4041, 0.3127, 0.3290

Same Dimension

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



40.8273, 0.2138, 0.2898



60.5369, 0.2137, 0.2894



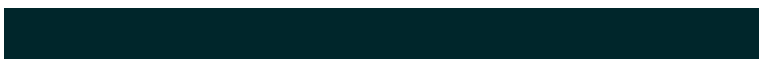
10.8969, 0.1666, 0.1198



13.8382, 0.2983, 0.3261



24.7750, 0.2140, 0.2904



1.5685, 0.2160, 0.2977

Inverse Universe

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



17.9306, 0.3545, 0.1727



26.6424, 0.3549, 0.1729



30.7962, 0.5081, 0.4348



12.6055, 0.3156, 0.3088



10.8459, 0.3539, 0.1723



0.6617, 0.3475, 0.1688

Previews

White Background



This preview shows how the Yxy color 40.8215, 0.2138, 0.2898 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 40.8215, 0.2138, 0.2898 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

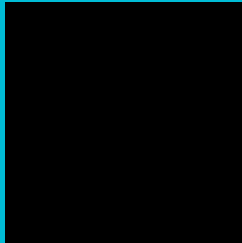
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.8215, 0.2138, 0.2898

Background



This preview shows how black text looks on a background with the Yxy color 40.8215, 0.2138, 0.2898.



This preview shows how white text looks on a background with the Yxy color 40.8215, 0.2138, 0.2898.

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

40.8215, 0.2138, 0.2898

Protanopia

40.4855, 0.2830, 0.2861

Deuteranopia

40.3290, 0.2678, 0.2614



Tritanopia

40.7548, 0.2183, 0.3057

Trichromacy



Original Color

40.8215, 0.2138, 0.2898



Protanomaly

38.4500, 0.2399, 0.2850



Deuteranomaly

38.4945, 0.2329, 0.2689



Tritanomaly

40.9493, 0.2166, 0.2999

Monochromacy



Original Color

40.8215, 0.2138, 0.2898



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.7700, 0.2477, 0.3114

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8215, 0.2138, 0.2898 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, 188, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 188, 214)  
}
```

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, 188, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 188, 214) }
```

Border

The CSS property to change the border of an element to Yxy 40.8215, 0.2138, 0.2898 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, 188, 214) }
```

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

```
.border{ border-color:rgb(0, 188, 214) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 188, 214)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 188, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 188, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 188,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8215, 0.2138, 0.2898 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 188, 214) }
```

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

```
.background{ background-color: rgb(0, 188,  
214) }
```

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