

Converting Colors

$Yxy(40.6968, 0.1886, 0.2615)$

Have a look what the booklet for
Yxy(40.6968, 0.1886, 0.2615)
contains.

Yxy(42.8830, 0.2067, 0.2642)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(42.8830, 0.2067, 0.2642)

Conversions

Conversions Part 1

Format	Color
Hex	00BEEC
RGB	0, 190, 236
RGB Percent	0%, 75%, 93%
CMY	1.0000, 0.2549, 0.0744
CMYK	1.00, 0.19, 0.00, 0.07
HSL	192°, 100%, 46%
HSV	192°, 100%, 93%
XYZ	33.5500, 42.8830, 85.8796
YIQ	138.4340, -128.0060, -25.9740

Conversions

Conversions Part 2

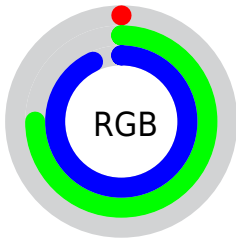
Format	Color
RYB	0, 105, 236
Decimal	48876
CIELab	71.48, -23.69, -33.97
CIELCh	71, 41.411, 235.112
Yxy	42.8830, 0.2067, 0.2642
Android (android.graphics.Color)	4278238956 (0xFF00BEEC)
YUV	138.4340, 48.1000, -121.4066
Hunter-Lab	65.4851, -23.1479, -31.9155

Details

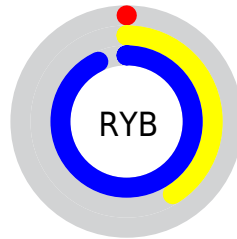
The Yxy color **42.8830, 0.2067, 0.2642** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **19.7909, 0.6207, 0.3453**, and the grayscale version is **25.4423, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4465, 0.2391, 0.3182**, and **20.9036, 0.2023, 0.2481** is the 20% darker color. If you saturate the color by 10%, you get **42.8881, 0.2067, 0.2642**, and if you desaturate by 10%, it is **45.1023, 0.2101, 0.2712**.

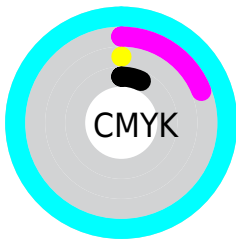
Distribution



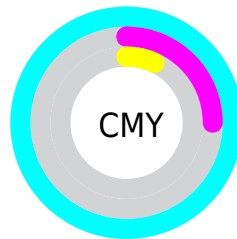
- Red (0%)
- Green (75%)
- Blue (93%)



- Red (0%)
- Yellow (41%)
- Blue (93%)



- Cyan (100%)
- Magenta (19%)
- Yellow (0%)
- Black (7%)




- Cyan (100%)
- Magenta (25%)
- Yellow (7%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.8830, 0.2067, 0.2642 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 42.8830, 0.2067, 0.2642 by changing the saturation by 10% instead.

 42.8830, 0.2067,
0.2642

 42.8830, 0.2067,
0.2642


358.1304, 0.2576,
0.2978


 29.7933, 0.1949,
0.2557


 79.5343, 0.2246,
0.2765

 19.6818, 0.1803,
0.2448


 103.8647, 0.2314,
0.2811


 12.1639, 0.1620,
0.2305


 132.7107, 0.2374,
0.2850

 6.8554, 0.1386,
0.2109

 166.4569, 0.2425,
0.2883

 3.3718, 0.1082,
0.1832

 205.4876, 0.2470,
0.2912

 1.3288, 0.0678,
0.1432

250.1871, 0.2509,

 0.1633, 0.0000,

0.2937

0.0436

300.9399, 0.2544,
0.2959

■ 0.0000, 0.0000,
0.0000

■ 42.8830, 0.2067,
0.2642

■ 42.8830, 0.2067,
0.2642

■ 42.8881, 0.2067,
0.2642

■ 45.1023, 0.2101,
0.2712

■ 47.6105, 0.2151,
0.2784

■ 50.4860, 0.2221,
0.2855

■ 53.7720, 0.2311,
0.2926

■ 57.5051, 0.2418,
0.2996

■ 61.7172, 0.2541,
0.3063

■ 66.4370, 0.2677,
0.3126

■ 71.6907, 0.2822,
0.3185

■ 77.5026, 0.2973,
0.3240

Harmonies

Analogous

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



42.8830, 0.2163, 0.3116



42.8830, 0.2067, 0.2642



42.8830, 0.2214, 0.2396

Triad

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



42.8830, 0.2067, 0.2642



42.8830, 0.3746, 0.2886



42.8830, 0.3604, 0.4375

Complementary

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



42.8830, 0.2067, 0.2642



19.7909, 0.6207, 0.3453

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.



42.8830, 0.4081, 0.4176



42.8830, 0.2067, 0.2642



42.8830, 0.4191, 0.3318

Square

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



42.8830, 0.2067, 0.2642



42.8830, 0.3143, 0.2552



42.8830, 0.4310, 0.3777



42.8830, 0.3024, 0.4223

Rectangle

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



42.8830, 0.2067, 0.2642



42.8830, 0.2440, 0.2359



42.8830, 0.4310, 0.3777



42.8830, 0.3782, 0.4342

Sweetspot

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



42.8881, 0.2067, 0.2642



79.1156, 0.2675, 0.3125



60.1784, 0.2957, 0.5846



16.4086, 0.2616, 0.3099



0.0000, 0.0000, 0.0000



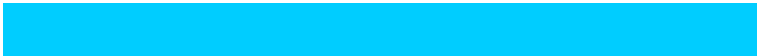
21.4041, 0.3127, 0.3290

Same Dimension

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



42.8881, 0.2067, 0.2642



51.0214, 0.2067, 0.2639



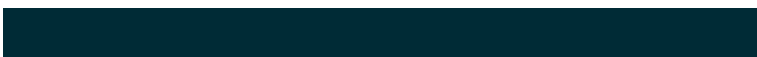
11.0541, 0.1614, 0.1012



16.5938, 0.2981, 0.3243



23.8208, 0.2071, 0.2654



1.9980, 0.2098, 0.2751

Inverse Universe

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



21.5543, 0.3783, 0.1858



25.6818, 0.3786, 0.1859



43.4238, 0.4901, 0.4491



15.2605, 0.3168, 0.3102



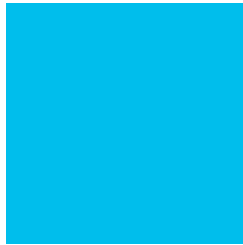
11.8975, 0.3772, 0.1852



0.9471, 0.3680, 0.1801

Previews

White Background



This preview shows how the Yxy color 42.8830, 0.2067, 0.2642 looks on a white background.

Color Contrast Check

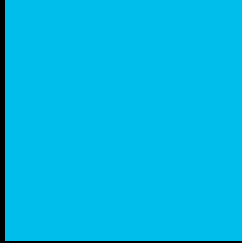
Large Text (above 18pt) WCAG AA × Fail

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 42.8830, 0.2067, 0.2642 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

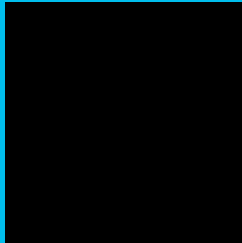
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.8830, 0.2067, 0.2642

Background



This preview shows how black text looks on a background with the Yxy color 42.8830, 0.2067, 0.2642.



This preview shows how white text looks on a background with the Yxy color 42.8830, 0.2067, 0.2642.

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

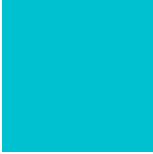
42.8830, 0.2067, 0.2642

Protanopia

42.4098, 0.2658, 0.2635

Deuteranopia

42.4717, 0.2492, 0.2437



Tritanopia

42.6940, 0.2184, 0.3061

Trichromacy



Original Color

42.8830, 0.2067, 0.2642



Protanomaly

40.6664, 0.2288, 0.2613



Deuteranomaly

41.0136, 0.2216, 0.2481



Tritanomaly

42.7612, 0.2140, 0.2905

Monochromacy



Original Color

42.8830, 0.2067, 0.2642



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

29.2446, 0.2435, 0.3002

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.8830, 0.2067, 0.2642 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, 190, 236)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 236)  
}
```

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, 190, 236) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 236) }
```

Border

The CSS property to change the border of an element to Yxy 42.8830, 0.2067, 0.2642 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, 190, 236) }
```

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

```
.border{ border-color:rgb(0, 190, 236) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 190, 236)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 236); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 236);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
236) }
```


Background

The CSS property to change the background color of an element to Yxy 42.8830, 0.2067, 0.2642 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 190, 236) }
```

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

```
.background{ background-color: rgb(0, 190,  
236) }
```

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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