

Converting Colors

$Yxy(37.9487, 0.1682, 0.2725)$

Have a look what the booklet for
Yxy(37.9487, 0.1682, 0.2725)
contains.

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Color

Yxy(42.3179, 0.2102, 0.2768)

Conversions

Conversions Part 1

Format	Color
Hex	00BEE2
RGB	0, 190, 226
RGB Percent	0%, 75%, 89%
CMY	1.0000, 0.2549, 0.1137
CMYK	1.00, 0.16, 0.00, 0.11
HSL	190°, 100%, 44%
HSV	190°, 100%, 89%
XYZ	32.1359, 42.3179, 78.4288
YIQ	137.2940, -124.7960, -29.0840

Conversions

Conversions Part 2

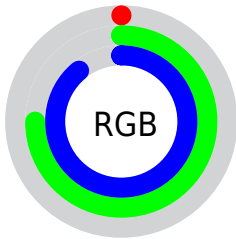
Format	Color
RYB	0, 103, 226
Decimal	48866
CIELab	71.09, -27.06, -29.13
CIELCh	71, 39.756, 227.108
Yxy	42.3179, 0.2102, 0.2768
Android (android.graphics.Color)	4278238946 (0xFF00BEE2)
YUV	137.2940, 43.7321, -120.4068
Hunter-Lab	65.0522, -25.6620, -25.9451

Details

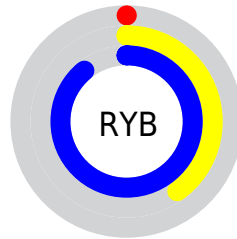
The Yxy color **42.3179, 0.2102, 0.2768** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **17.4310, 0.6261, 0.3411**, and the grayscale version is **25.0026, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.9297, 0.2387, 0.3194**, and **20.5486, 0.2062, 0.2623** is the 20% darker color. If you saturate the color by 10%, you get **42.3228, 0.2102, 0.2768**, and if you desaturate by 10%, it is **44.0790, 0.2132, 0.2824**.

Distribution



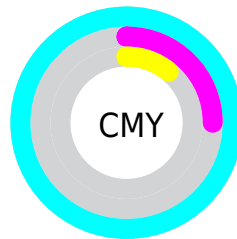
- Red (0%)
- Green (75%)
- Blue (89%)



- Red (0%)
- Yellow (40%)
- Blue (89%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (11%)





- Cyan (100%)
- Magenta (25%)
- Yellow (11%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.3179, 0.2102, 0.2768 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 42.3179, 0.2102, 0.2768 by changing the saturation by 10% instead.


 42.3179, 0.2102,
0.2768

 42.3179, 0.2102,
0.2768


355.7991, 0.2597,
0.3045

 29.3503, 0.1986,
0.2696


 78.6805, 0.2277,
0.2871


 19.3460, 0.1842,
0.2602


 102.8443, 0.2344,
0.2909

 11.9205, 0.1659,
0.2475


 131.5090, 0.2402,
0.2941

 6.6896, 0.1422,
0.2299

 165.0589, 0.2451,
0.2968

 3.2687, 0.1112,
0.2040

 203.8785, 0.2495,
0.2992

 1.2736, 0.0656,
0.1651

248.3521, 0.2533,

 0.1206, 0.0000,

0.3012

0.0422

298.8642, 0.2567,
0.3029

■ 0.0000, 0.0000,
0.0000

■ 42.3179, 0.2102,
0.2768

■ 42.3179, 0.2102,
0.2768

■ 42.3228, 0.2102,
0.2768

■ 44.0790, 0.2132,
0.2824

■ 46.0815, 0.2178,
0.2881

■ 48.3974, 0.2243,
0.2939

■ 51.0653, 0.2327,
0.2996

■ 54.1177, 0.2430,
0.3052

■ 57.5832, 0.2549,
0.3105

■ 61.4873, 0.2681,
0.3157

■ 65.8533, 0.2824,
0.3205

■ 70.7030, 0.2973,
0.3249

Harmonies

Analogous

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



42.3179, 0.2260, 0.3275



42.3179, 0.2102, 0.2768



42.3179, 0.2183, 0.2467

Triad

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



42.3179, 0.2102, 0.2768



42.3179, 0.3575, 0.2801



42.3179, 0.3729, 0.4314

Complementary

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



42.3179, 0.2102, 0.2768



17.4310, 0.6261, 0.3411

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.



42.3179, 0.4137, 0.4058



42.3179, 0.2102, 0.2768



42.3179, 0.4064, 0.3202

Square

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



42.3179, 0.2102, 0.2768



42.3179, 0.2989, 0.2513



42.3179, 0.4272, 0.3648



42.3179, 0.3180, 0.4263

Rectangle

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



42.3179, 0.2102, 0.2768



42.3179, 0.2364, 0.2392



42.3179, 0.4272, 0.3648



42.3179, 0.3888, 0.4255

Sweetspot

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



42.3228, 0.2102, 0.2768



80.7355, 0.2678, 0.3156



54.5104, 0.2969, 0.5888



16.8000, 0.2621, 0.3134



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.



42.3228, 0.2102, 0.2768



55.5096, 0.2101, 0.2764



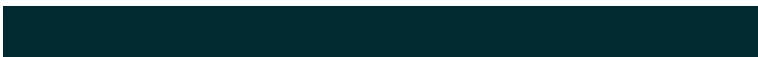
11.0979, 0.1639, 0.1100



15.1811, 0.2982, 0.3252



24.2897, 0.2105, 0.2777



1.7847, 0.2129, 0.2864

Inverse Universe

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



19.8877, 0.3664, 0.1792



26.1349, 0.3668, 0.1794



37.0070, 0.4990, 0.4420



13.8962, 0.3162, 0.3095



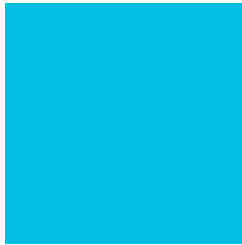
11.3601, 0.3656, 0.1788



0.7976, 0.3576, 0.1744

Previews

White Background



This preview shows how the Yxy color 42.3179, 0.2102, 0.2768 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 42.3179, 0.2102, 0.2768 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

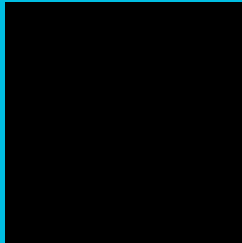
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 42.3179, 0.2102, 0.2768

Background



This preview shows how black text looks on a background with the Yxy color 42.3179, 0.2102, 0.2768.



This preview shows how white text looks on a background with the Yxy color 42.3179, 0.2102, 0.2768.

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

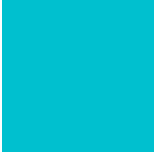
42.3179, 0.2102, 0.2768

Protanopia

41.6658, 0.2745, 0.2753

Deuteranopia

41.7881, 0.2583, 0.2516



Tritanopia

42.2043, 0.2184, 0.3060

Trichromacy



Original Color

42.3179, 0.2102, 0.2768



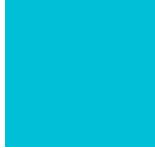
Protanomaly

39.7936, 0.2348, 0.2735



Deuteranomaly

39.8681, 0.2272, 0.2571



Tritanomaly

42.1166, 0.2151, 0.2945

Monochromacy



Original Color

42.3179, 0.2102, 0.2768



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

28.6677, 0.2458, 0.3066

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.3179, 0.2102, 0.2768 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, 226)` looks like.

```
.text, #text, p{  
    color:rgb(0, 190, 226)  
}
```

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, 226) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 190, 226) }
```

Border

The CSS property to change the border of an element to Yxy 42.3179, 0.2102, 0.2768 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, 226) }
```

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

```
.border{ border-color:rgb(0, 190, 226) }
```

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, 226)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 190, 226); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 190, 226);  
box-shadow:4px 4px 4px 4px rgb(0, 190,  
226) }
```


Background

The CSS property to change the background color of an element to Yxy 42.3179, 0.2102, 0.2768 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, 226) }
```

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

```
.background{ background-color: rgb(0, 190,  
226) }
```

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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