

Converting Colors

$Y_{xy}(38.8432, 0.1823, 0.2696)$

Have a look what the booklet for
Yxy(38.8432, 0.1823, 0.2696)
contains.

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Color

Yxy(41.9412, 0.2094, 0.2740)

Conversions

Conversions Part 1

Format	Color
Hex	00BDE3
RGB	0, 189, 227
RGB Percent	0%, 74%, 89%
CMY	1.0000, 0.2588, 0.1098
CMYK	1.00, 0.17, 0.00, 0.11
HSL	190°, 100%, 45%
HSV	190°, 100%, 89%
XYZ	32.0529, 41.9412, 79.0760
YIQ	136.8210, -124.8420, -28.2500

Conversions

Conversions Part 2

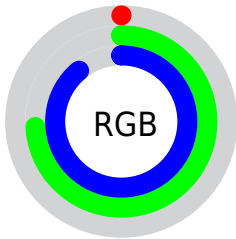
Format	Color
RYB	0, 103, 227
Decimal	48611
CIELab	70.83, -26.24, -30.07
CIELCh	71, 39.907, 228.885
Yxy	41.9412, 0.2094, 0.2740
Android (android.graphics.Color)	4278238691 (0xFF00BDE3)
YUV	136.8210, 44.4582, -119.9920
Hunter-Lab	64.7620, -24.9880, -27.0611

Details

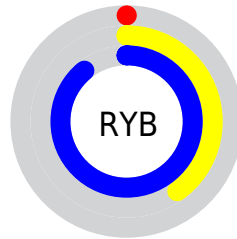
The Yxy color **41.9412, 0.2094, 0.2740** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **17.7152, 0.6249, 0.3420**, and the grayscale version is **24.8137, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3197, 0.2385, 0.3182**, and **20.2682, 0.2056, 0.2603** is the 20% darker color. If you saturate the color by 10%, you get **41.9488, 0.2095, 0.2740**, and if you desaturate by 10%, it is **43.7831, 0.2125, 0.2800**.

Distribution



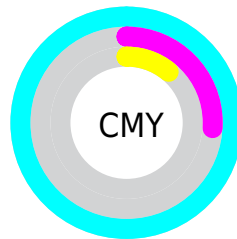
- Red (0%)
- Green (74%)
- Blue (89%)



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



- Cyan (100%)
- Magenta (17%)
- Yellow (0%)
- Black (11%)



- Cyan (100%)
- Magenta (26%)
- Yellow (11%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 41.9412, 0.2094, 0.2740 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 41.9412, 0.2094, 0.2740 by changing the saturation by 10% instead.

41.9412, 0.2094,
0.2740

41.9412, 0.2094,
0.2740

354.2391, 0.2593,
0.3031

29.0553, 0.1977,
0.2664

78.1106, 0.2270,
0.2848

19.1226, 0.1832,
0.2566

102.1629, 0.2338,
0.2888

11.7589, 0.1647,
0.2435

130.7061, 0.2396,
0.2922

6.5797, 0.1410,
0.2252

164.1245, 0.2446,
0.2950

3.2007, 0.1098,
0.1986

202.8027, 0.2490,
0.2975

1.2374, 0.0641,
0.1589

247.1249, 0.2529,

0.0919, 0.0000,

0.2996

0.0317

297.4756, 0.2563,
0.3014

■ 0.0000, 0.0000,
0.0000

■ 41.9412, 0.2094,
0.2740

■ 41.9412, 0.2094,
0.2740

■ 41.9488, 0.2095,
0.2740

■ 43.7831, 0.2125,
0.2800

■ 45.8702, 0.2172,
0.2860

■ 48.2779, 0.2238,
0.2920

■ 51.0452, 0.2324,
0.2980

■ 54.2051, 0.2428,
0.3039

■ 57.7864, 0.2547,
0.3096

■ 61.8150, 0.2680,
0.3150

■ 66.3146, 0.2823,
0.3201

■ 71.3070, 0.2973,
0.3247

Harmonies

Analogous

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



41.9412, 0.2238, 0.3240



41.9412, 0.2094, 0.2740



41.9412, 0.2189, 0.2451

Triad

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



41.9412, 0.2094, 0.2740



41.9412, 0.3612, 0.2820



41.9412, 0.3702, 0.4328

Complementary

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



41.9412, 0.2094, 0.2740



17.7152, 0.6249, 0.3420

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.



41.9412, 0.4126, 0.4084



41.9412, 0.2094, 0.2740



41.9412, 0.4092, 0.3227

Square

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



41.9412, 0.2094, 0.2740



41.9412, 0.3022, 0.2521



41.9412, 0.4281, 0.3676



41.9412, 0.3146, 0.4255

Rectangle

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



41.9412, 0.2094, 0.2740



41.9412, 0.2380, 0.2384



41.9412, 0.4281, 0.3676



41.9412, 0.3865, 0.4274

Sweetspot

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



41.9488, 0.2095, 0.2740



80.3681, 0.2678, 0.3149



55.0753, 0.2963, 0.5867



16.7111, 0.2620, 0.3126



0.0000, 0.0000, 0.0000



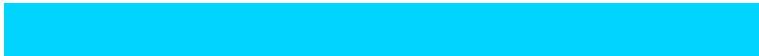
21.4041, 0.3127, 0.3290

Same Dimension

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



41.9488, 0.2095, 0.2740



54.4751, 0.2094, 0.2736



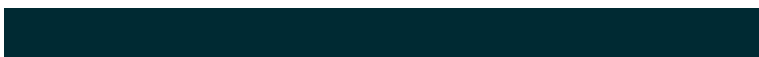
10.6688, 0.1627, 0.1057



15.9043, 0.2981, 0.3250



24.6141, 0.2097, 0.2749



1.9283, 0.2121, 0.2836

Inverse Universe

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



20.0053, 0.3690, 0.1807



26.0304, 0.3694, 0.1809



38.5704, 0.4944, 0.4456



14.5716, 0.3163, 0.3096



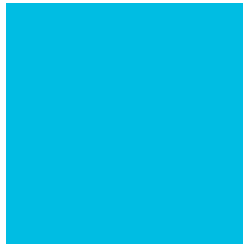
11.6825, 0.3682, 0.1802



0.8743, 0.3601, 0.1758

Previews

White Background



This preview shows how the Yxy color 41.9412, 0.2094, 0.2740 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 41.9412, 0.2094, 0.2740 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

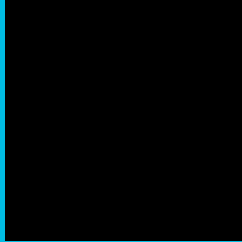
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 41.9412, 0.2094, 0.2740

Background



This preview shows how black text looks on a background with the Yxy color 41.9412, 0.2094, 0.2740.



This preview shows how white text looks on a background with the Yxy color 41.9412, 0.2094, 0.2740.

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

41.9412, 0.2094, 0.2740

Protanopia

41.2859, 0.2723, 0.2714

Deuteranopia

41.5869, 0.2569, 0.2513



Tritanopia

41.7666, 0.2179, 0.3045

Trichromacy



Original Color

41.9412, 0.2094, 0.2740



Protanomaly

39.4423, 0.2330, 0.2695



Deuteranomaly

39.8101, 0.2258, 0.2558



Tritanomaly

41.6820, 0.2147, 0.2929

Monochromacy



Original Color

41.9412, 0.2094, 0.2740



Achromatopsia

25.0158, 0.3127, 0.3290



Achromatomaly

28.7055, 0.2451, 0.3049

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9412, 0.2094, 0.2740 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, 189, 227)` looks like.

```
.text, #text, p{  
    color:rgb(0, 189, 227)  
}
```

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, 189, 227) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 189, 227) }
```

Border

The CSS property to change the border of an element to Yxy 41.9412, 0.2094, 0.2740 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, 189, 227) }
```

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

```
.border{ border-color:rgb(0, 189, 227) }
```

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

Here you see how a box with a 4 pixel rgb(0, 189, 227) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 189, 227); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 189, 227);  
box-shadow:4px 4px 4px 4px rgb(0, 189,  
227) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9412, 0.2094, 0.2740 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 189, 227) }
```

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

```
.background{ background-color: rgb(0, 189,  
227) }
```

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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