

Converting Colors

$Y_{xy}(40.4475, 0.2101, 0.2763)$

Have a look what the booklet for
Yxy(40.4475, 0.2101, 0.2763)
contains.

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Color

Yxy(40.3917, 0.2100, 0.2759)

Conversions

Conversions Part 1

Format	Color
Hex	00BADE
RGB	0, 186, 222
RGB Percent	0%, 73%, 87%
CMY	0.9984, 0.2706, 0.1295
CMYK	1.00, 0.16, 0.00, 0.13
HSL	190°, 100%, 44%
HSV	190°, 100%, 87%
XYZ	30.7440, 40.3917, 75.2641
YIQ	134.4900, -122.4120, -28.2360

Conversions

Conversions Part 2

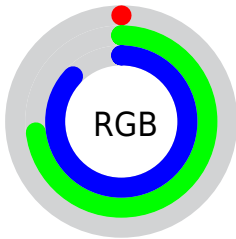
Format	Color
R _{YB}	0, 101, 222
Decimal	47838
CIE Lab	69.75, -26.38, -29.00
CIE LCh	70, 39.199, 227.707
Yxy	40.3917, 0.2100, 0.2759
Android (android.graphics.Color)	4278237918 (0xFF00BADE)
YUV	134.4900, 43.1424, -117.9477
Hunter-Lab	63.5545, -24.8724, -25.7258

Details

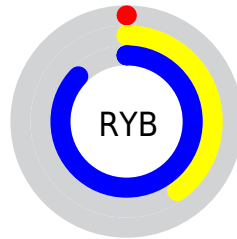
The Yxy color **40.3917, 0.2100, 0.2759** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as middle washed azure. A complement of this color would be **16.8106, 0.6251, 0.3416**, and the grayscale version is **23.9468, 0.3127, 0.3290**.

A 20% lighter version of the original color is **73.8501, 0.2371, 0.3134**, and **19.5651, 0.2063, 0.2628** is the 20% darker color. If you saturate the color by 10%, you get **40.3634, 0.2100, 0.2758**, and if you desaturate by 10%, it is **42.1057, 0.2131, 0.2817**.

Distribution



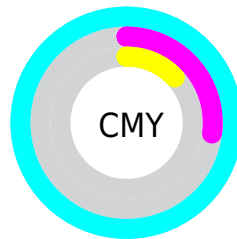
- Red (0%)
- Green (73%)
- Blue (87%)



- Red (0%)
- Yellow (40%)
- Blue (87%)



- Cyan (100%)
- Magenta (16%)
- Yellow (0%)
- Black (13%)





- Cyan (100%)
- Magenta (27%)
- Yellow (13%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3917, 0.2100, 0.2759 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 40.3917, 0.2100, 0.2759 by changing the saturation by 10% instead.


 40.3917, 0.2100,
0.2759


 40.3917, 0.2100,
0.2759


347.7718, 0.2600,
0.3042

 27.8441, 0.1982,
0.2684


 75.7596, 0.2277,
0.2865


 18.2082, 0.1834,
0.2587


 99.3487, 0.2345,
0.2904


 11.0995, 0.1647,
0.2456

 127.3870, 0.2403,
0.2937

 6.1338, 0.1403,
0.2271

 160.2591, 0.2453,
0.2964

 2.9266, 0.1082,
0.1999

 198.3492, 0.2497,
0.2988

 1.0935, 0.0557,
0.1595

242.0417, 0.2536,

 0.0000, 0.0000,

0.3009

0.0000

291.7211, 0.2570,
0.3027

■ 40.3917, 0.2100,
0.2759

■ 40.3917, 0.2100,
0.2759

■ 40.3634, 0.2100,
0.2758

■ 42.1057, 0.2131,
0.2817

■ 44.0577, 0.2177,
0.2875

■ 46.3125, 0.2243,
0.2933

■ 48.9070, 0.2328,
0.2991

■ 51.8720, 0.2432,
0.3048

■ 55.2347, 0.2551,
0.3103

■ 59.0198, 0.2684,
0.3155

■ 63.2494, 0.2826,
0.3204

■ 67.9443, 0.2976,
0.3249

Harmonies

Analogous

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



40.3917, 0.2253, 0.3263



40.3917, 0.2100, 0.2759



40.3917, 0.2186, 0.2463

Triad

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



40.3917, 0.2100, 0.2759



40.3917, 0.3587, 0.2808



40.3917, 0.3719, 0.4318

Complementary

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



40.3917, 0.2100, 0.2759



16.8106, 0.6251, 0.3416

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.



40.3917, 0.4133, 0.4066



40.3917, 0.2100, 0.2759



40.3917, 0.4073, 0.3211

Square

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



40.3917, 0.2100, 0.2759



40.3917, 0.3000, 0.2516



40.3917, 0.4275, 0.3657



40.3917, 0.3168, 0.4260

Rectangle

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



40.3917, 0.2100, 0.2759



40.3917, 0.2370, 0.2390



40.3917, 0.4275, 0.3657



40.3917, 0.3880, 0.4261

Sweetspot

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



40.3931, 0.2100, 0.2759



80.5944, 0.2678, 0.3153



52.3447, 0.2968, 0.5885



16.7658, 0.2620, 0.3131



0.0000, 0.0000, 0.0000



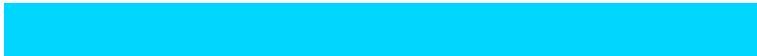
21.4041, 0.3127, 0.3290

Same Dimension

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



40.3931, 0.2100, 0.2759



55.1111, 0.2098, 0.2754



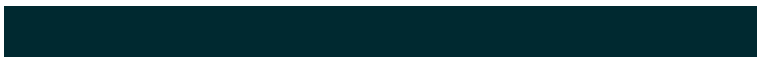
10.7166, 0.1641, 0.1105



15.1736, 0.2982, 0.3251



24.1198, 0.2102, 0.2767



1.7744, 0.2127, 0.2856

Inverse Universe

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



19.0793, 0.3673, 0.1797



26.0946, 0.3678, 0.1800



35.6009, 0.4987, 0.4421



13.8954, 0.3162, 0.3096



11.3429, 0.3666, 0.1793



0.7966, 0.3584, 0.1748

Previews

White Background



This preview shows how the Yxy color 40.3917, 0.2100, 0.2759 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 40.3917, 0.2100, 0.2759 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

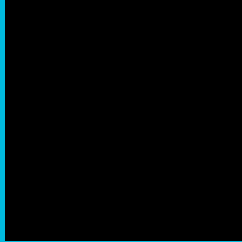
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 40.3917, 0.2100, 0.2759

Background



This preview shows how black text looks on a background with the Yxy color 40.3917, 0.2100, 0.2759.

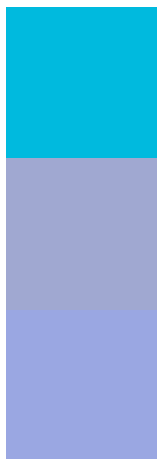


This preview shows how white text looks on a background with the Yxy color 40.3917, 0.2100, 0.2759.

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

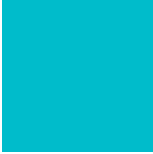
40.3917, 0.2100, 0.2759

Protanopia

40.0823, 0.2740, 0.2745

Deuteranopia

39.9984, 0.2581, 0.2525



Tritanopia

40.2782, 0.2182, 0.3056

Trichromacy



Original Color

40.3917, 0.2100, 0.2759



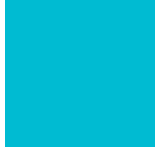
Protanomaly

38.3398, 0.2344, 0.2727



Deuteranomaly

38.3050, 0.2267, 0.2572



Tritanomaly

40.1938, 0.2150, 0.2939

Monochromacy



Original Color

40.3917, 0.2100, 0.2759



Achromatopsia

24.2281, 0.3127, 0.3290



Achromatomaly

27.8797, 0.2458, 0.3063

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3917, 0.2100, 0.2759 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, 186, 222)` looks like.

```
.text, #text, p{  
    color:rgb(0, 186, 222)  
}
```

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, 186, 222) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 186, 222) }
```

Border

The CSS property to change the border of an element to Yxy 40.3917, 0.2100, 0.2759 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, 186, 222) }
```

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

```
.border{ border-color:rgb(0, 186, 222) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 186, 222)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 186, 222); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 186, 222);  
box-shadow:4px 4px 4px 4px rgb(0, 186,  
222) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3917, 0.2100, 0.2759 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 186, 222) }
```

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

```
.background{ background-color: rgb(0, 186,  
222) }
```

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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