

Converting Colors

$Y_{xy}(36.9035, 0.2096, 0.2744)$

Have a look what the booklet for
Yxy(36.9035, 0.2096, 0.2744)
contains.

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Color

Yxy(36.7023, 0.2095, 0.2739)

Conversions

Conversions Part 1

Format	Color
Hex	01B2D6
RGB	1, 178, 214
RGB Percent	0%, 70%, 84%
CMY	0.9950, 0.3020, 0.1608
CMYK	0.99, 0.17, 0.00, 0.16
HSL	190°, 99%, 42%
HSV	190°, 99%, 84%
XYZ	28.0728, 36.7023, 69.2238
YIQ	129.1810, -117.0480, -26.3280

Conversions

Conversions Part 2

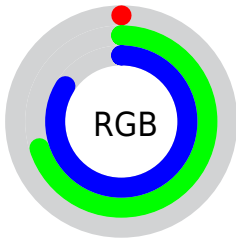
Format	Color
RYB	1, 98, 214
Decimal	111318
CIELab	67.05, -25.01, -28.78
CIELCh	67, 38.125, 229.011
Yxy	36.7023, 0.2095, 0.2739
Android (android.graphics.Color)	4278301398 (0xFF01B2D6)
YUV	129.1810, 41.8158, -112.4147
Hunter-Lab	60.5824, -23.3057, -25.3394

Details

The Yxy color **36.7023, 0.2095, 0.2739** 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 **15.6402, 0.6229, 0.3429**, and the grayscale version is **21.9317, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0689, 0.2343, 0.3036**, and **17.1704, 0.2054, 0.2595** is the 20% darker color. If you saturate the color by 10%, you get **36.6092, 0.2093, 0.2735**, and if you desaturate by 10%, it is **38.3342, 0.2127, 0.2799**.

Distribution



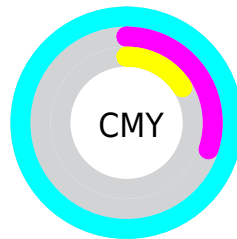
- Red (0%)
- Green (70%)
- Blue (84%)



- Red (0%)
- Yellow (38%)
- Blue (84%)



- Cyan (99%)
- Magenta (17%)
- Yellow (0%)
- Black (16%)




- Cyan (100%)
- Magenta (30%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7023, 0.2095, 0.2739 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 36.7023, 0.2095, 0.2739 by changing the saturation by 10% instead.


 36.7023, 0.2095,
0.2739


 36.7023, 0.2095,
0.2739

332.0198, 0.2605,
0.3036

 24.9771, 0.1972,
0.2659


 70.1147, 0.2278,
0.2851

 16.0600, 0.1818,
0.2555


 92.5706, 0.2347,
0.2892

 9.5666, 0.1620,
0.2412


 119.3723, 0.2406,
0.2927

 5.1126, 0.1361,
0.2210

 150.9040, 0.2457,
0.2955

 2.3135, 0.1016,
0.1907

 187.5503, 0.2502,
0.2980

 0.7808, 0.0249,
0.1475

229.6954, 0.2540,

 0.0000, 0.0000,

0.3001

0.0000

277.7238, 0.2575,
0.3020

■ 36.7023, 0.2095,
0.2739

■ 36.7023, 0.2095,
0.2739

■ 36.6092, 0.2093,
0.2735

■ 38.3342, 0.2127,
0.2799

■ 40.1919, 0.2176,
0.2860

■ 42.3324, 0.2244,
0.2921

■ 44.7890, 0.2331,
0.2982

■ 47.5899, 0.2436,
0.3041

■ 50.7597, 0.2556,
0.3098

■ 54.3209, 0.2690,
0.3152

■ 58.2939, 0.2833,
0.3203

■ 62.6973, 0.2983,
0.3250

Harmonies

Analogous

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



36.7023, 0.2238, 0.3238



36.7023, 0.2095, 0.2739



36.7023, 0.2191, 0.2452

Triad

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



36.7023, 0.2095, 0.2739



36.7023, 0.3614, 0.2822



36.7023, 0.3699, 0.4327

Complementary

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



36.7023, 0.2095, 0.2739



15.6402, 0.6229, 0.3429

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.



36.7023, 0.4123, 0.4084



36.7023, 0.2095, 0.2739



36.7023, 0.4093, 0.3229

Square

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



36.7023, 0.2095, 0.2739



36.7023, 0.3024, 0.2523



36.7023, 0.4280, 0.3677



36.7023, 0.3144, 0.4253

Rectangle

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



36.7023, 0.2095, 0.2739



36.7023, 0.2383, 0.2385



36.7023, 0.4280, 0.3677



36.7023, 0.3863, 0.4274

Sweetspot

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



36.7036, 0.2095, 0.2739



80.2796, 0.2677, 0.3147



48.2345, 0.2961, 0.5855



16.6897, 0.2620, 0.3124



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.



36.7036, 0.2095, 0.2739



54.2273, 0.2092, 0.2730



9.5224, 0.1633, 0.1074



13.7334, 0.2983, 0.3250



22.2607, 0.2096, 0.2744



1.4395, 0.2125, 0.2848

Inverse Universe

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



17.5386, 0.3691, 0.1809



26.0054, 0.3700, 0.1812



33.9727, 0.4934, 0.4461



12.5949, 0.3163, 0.3098



10.5921, 0.3686, 0.1804



0.6486, 0.3590, 0.1751

Previews

White Background



This preview shows how the Yxy color 36.7023, 0.2095, 0.2739 looks on a white background.

Color Contrast Check

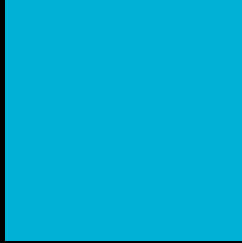
Large Text (above 18pt) WCAG AA × Fail

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 36.7023, 0.2095, 0.2739 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

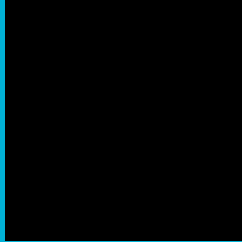
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7023, 0.2095, 0.2739

Background



This preview shows how black text looks on a background with the Yxy color 36.7023, 0.2095, 0.2739.



This preview shows how white text looks on a background with the Yxy color 36.7023, 0.2095, 0.2739.

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

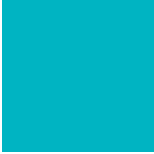
36.7023, 0.2095, 0.2739

Protanopia

36.0341, 0.2724, 0.2721

Deuteranopia

36.4066, 0.2569, 0.2510



Tritanopia

36.5376, 0.2184, 0.3062

Trichromacy



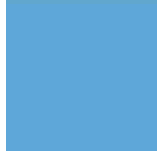
Original Color

36.7023, 0.2095, 0.2739



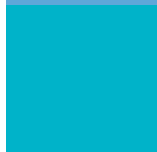
Protanomaly

34.6351, 0.2335, 0.2705



Deuteranomaly

35.0269, 0.2264, 0.2561



Tritanomaly

36.4572, 0.2150, 0.2940

Monochromacy



Original Color

36.7023, 0.2095, 0.2739



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

25.2445, 0.2462, 0.3054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7023, 0.2095, 0.2739 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(1, 178, 214)` looks like.

```
.text, #text, p{  
    color:rgb(1, 178, 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(1, 178, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 178, 214) }
```

Border

The CSS property to change the border of an element to Yxy 36.7023, 0.2095, 0.2739 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(1, 178, 214) }
```

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

```
.border{ border-color:rgb(1, 178, 214) }
```

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

Here you see how a box with a 4 pixel rgb(1, 178, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 178, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 178, 214);  
box-shadow:4px 4px 4px 4px rgb(1, 178,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7023, 0.2095, 0.2739 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 178, 214) }
```

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

```
.background{ background-color: rgb(1, 178,  
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](#).

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