

Converting Colors

$Y_{xy}(36.7226, 0.2128, 0.2859)$

Have a look what the booklet for
Yxy(36.7226, 0.2128, 0.2859)
contains.

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Color

Yxy(36.7516, 0.2126, 0.2853)

Conversions

Conversions Part 1

Format	Color
Hex	00B3CF
RGB	0, 179, 207
RGB Percent	0%, 70%, 81%
CMY	0.9993, 0.2980, 0.1882
CMYK	1.00, 0.14, 0.00, 0.19
HSL	188°, 100%, 41%
HSV	188°, 100%, 81%
XYZ	27.3866, 36.7516, 64.6792
YIQ	128.6710, -115.6720, -29.2400

Conversions

Conversions Part 2

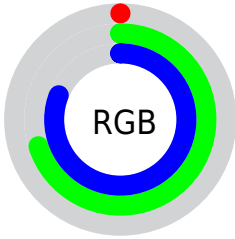
Format	Color
RYB	0, 96, 207
Decimal	46031
CIELab	67.09, -27.90, -24.87
CIELCh	67, 37.374, 221.706
Yxy	36.7516, 0.2126, 0.2853
Android (android.graphics.Color)	4278236111 (0xFF00B3CF)
YUV	128.6710, 38.6162, -112.8445
Hunter-Lab	60.6231, -25.4528, -20.8207

Details

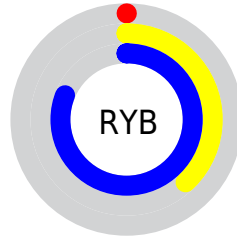
The Yxy color **36.7516, 0.2126, 0.2853** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as dark washed azure. A complement of this color would be **14.1033, 0.6286, 0.3390**, and the grayscale version is **21.7477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.5202, 0.2339, 0.3048**, and **17.2216, 0.2090, 0.2725** is the 20% darker color. If you saturate the color by 10%, you get **36.7423, 0.2126, 0.2853**, and if you desaturate by 10%, it is **38.0440, 0.2154, 0.2900**.

Distribution



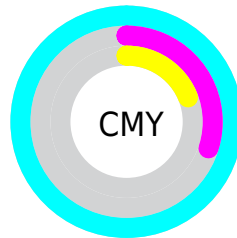
- Red (0%)
- Green (70%)
- Blue (81%)



- Red (0%)
- Yellow (38%)
- Blue (81%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (19%)





- Cyan (100%)
- Magenta (30%)
- Yellow (19%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.7516, 0.2126, 0.2853 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 36.7516, 0.2126, 0.2853 by changing the saturation by 10% instead.


 36.7516, 0.2126,
0.2853


 36.7516, 0.2126,
0.2853


332.2338, 0.2623,
0.3094


 25.0152, 0.2005,
0.2787


 70.1906, 0.2305,
0.2945


 16.0884, 0.1853,
0.2698


 92.6620, 0.2372,
0.2979

 9.5867, 0.1657,
0.2576


 119.4805, 0.2430,
0.3006

 5.1258, 0.1398,
0.2397

 151.0305, 0.2479,
0.3029

 2.3213, 0.1049,
0.2120

 187.6965, 0.2522,
0.3049

 0.7849, 0.0143,
0.1732

229.8628, 0.2560,

 0.0000, 0.0000,

0.3066

0.0000

277.9138, 0.2593,
0.3081

■ 36.7516, 0.2126,
0.2853

■ 36.7516, 0.2126,
0.2853

■ 36.7423, 0.2126,
0.2853

■ 38.0440, 0.2154,
0.2900

■ 39.5263, 0.2198,
0.2948

■ 41.2561, 0.2260,
0.2995

■ 43.2643, 0.2341,
0.3043

■ 45.5767, 0.2441,
0.3090

■ 48.2162, 0.2557,
0.3135

■ 51.2033, 0.2687,
0.3178

■ 54.5567, 0.2827,
0.3218

■ 58.2938, 0.2975,
0.3256

Harmonies

Analogous

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



36.7516, 0.2325, 0.3380



36.7516, 0.2126, 0.2853



36.7516, 0.2164, 0.2516

Triad

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



36.7516, 0.2126, 0.2853



36.7516, 0.3466, 0.2747



36.7516, 0.3808, 0.4272

Complementary

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



36.7516, 0.2126, 0.2853



14.1033, 0.6286, 0.3390

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.



36.7516, 0.4170, 0.3983



36.7516, 0.2126, 0.2853



36.7516, 0.3980, 0.3127

Square

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



36.7516, 0.2126, 0.2853



36.7516, 0.2892, 0.2488



36.7516, 0.4244, 0.3565



36.7516, 0.3281, 0.4284

Rectangle

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



36.7516, 0.2126, 0.2853



36.7516, 0.2316, 0.2415



36.7516, 0.4244, 0.3565



36.7516, 0.3954, 0.4199

Sweetspot

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



36.7529, 0.2126, 0.2853



81.8378, 0.2681, 0.3176



44.7080, 0.2973, 0.5902



17.0668, 0.2624, 0.3158



0.0000, 0.0000, 0.0000



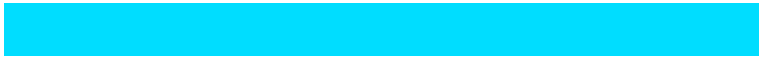
21.4041, 0.3127, 0.3290

Same Dimension

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



36.7529, 0.2126, 0.2853



58.6702, 0.2124, 0.2847



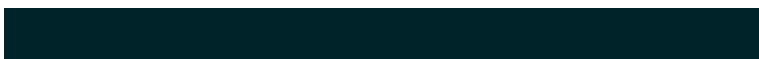
9.6762, 0.1655, 0.1156



13.1229, 0.2983, 0.3258



23.2519, 0.2128, 0.2859



1.3773, 0.2152, 0.2946

Inverse Universe

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



16.5241, 0.3586, 0.1749



26.4539, 0.3591, 0.1752



29.5416, 0.5030, 0.4387



11.9804, 0.3158, 0.3091



10.4186, 0.3580, 0.1746



0.5903, 0.3502, 0.1703

Previews

White Background



This preview shows how the Yxy color 36.7516, 0.2126, 0.2853 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 36.7516, 0.2126, 0.2853 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

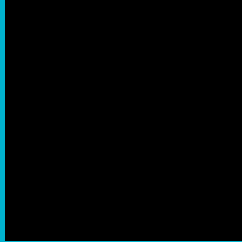
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.7516, 0.2126, 0.2853

Background



This preview shows how black text looks on a background with the Yxy color 36.7516, 0.2126, 0.2853.

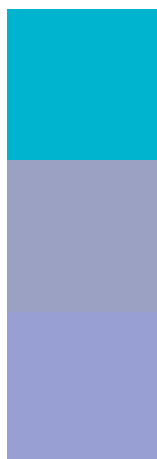


This preview shows how white text looks on a background with the Yxy color 36.7516, 0.2126, 0.2853.

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

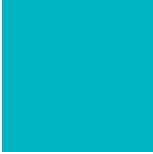
36.7452, 0.2126, 0.2853

Protanopia

36.3533, 0.2801, 0.2829

Deuteranopia

36.1748, 0.2652, 0.2585



Tritanopia

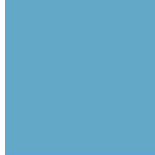
36.5826, 0.2180, 0.3047

Trichromacy



Original Color

36.7452, 0.2126, 0.2853



Protanomaly

34.7814, 0.2386, 0.2818



Deuteranomaly

34.4670, 0.2311, 0.2637



Tritanomaly

36.7660, 0.2163, 0.2986

Monochromacy



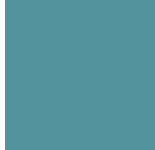
Original Color

36.7452, 0.2126, 0.2853



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

25.0956, 0.2476, 0.3107

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.7516, 0.2126, 0.2853 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, 179, 207)` looks like.

```
.text, #text, p{  
  color:rgb(0, 179, 207)  
}
```

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, 179, 207) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 179, 207) }
```

Border

The CSS property to change the border of an element to Yxy 36.7516, 0.2126, 0.2853 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, 179, 207) }
```

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

```
.border{ border-color:rgb(0, 179, 207) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 179, 207)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 179, 207); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 179, 207);  
box-shadow:4px 4px 4px 4px rgb(0, 179,  
207) }
```


Background

The CSS property to change the background color of an element to Yxy 36.7516, 0.2126, 0.2853 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 179, 207) }
```

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

```
.background{ background-color: rgb(0, 179,  
207) }
```

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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