

Converting Colors

$Yxy(28.0893, 0.0929, 0.2626)$

Have a look what the booklet for
Yxy(28.0893, 0.0929, 0.2626)
contains.

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Color

Yxy(37.5488, 0.2099, 0.2758)

Conversions

Conversions Part 1

Format	Color
Hex	00B4D7
RGB	0, 180, 215
RGB Percent	0%, 71%, 84%
CMY	1.0000, 0.2940, 0.1569
CMYK	1.00, 0.16, 0.00, 0.16
HSL	190°, 100%, 42%
HSV	190°, 100%, 84%
XYZ	28.5768, 37.5488, 70.0194
YIQ	130.1700, -118.5150, -27.2750

Conversions

Conversions Part 2

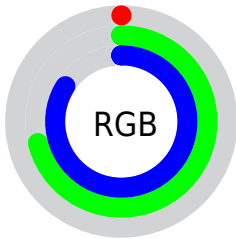
Format	Color
RYB	0, 98, 215
Decimal	46295
CIELab	67.69, -25.76, -28.34
CIELCh	68, 38.298, 227.736
Yxy	37.5488, 0.2099, 0.2758
Android (android.graphics.Color)	4278236375 (0xFF00B4D7)
YUV	130.1700, 41.8212, -114.1591
Hunter-Lab	61.2771, -23.9906, -24.8549

Details

The Yxy color **37.5488, 0.2099, 0.2758** 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 **15.6445, 0.6252, 0.3418**, and the grayscale version is **22.2705, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2142, 0.2348, 0.3061**, and **17.7168, 0.2061, 0.2621** is the 20% darker color. If you saturate the color by 10%, you get **37.5556, 0.2100, 0.2758**, and if you desaturate by 10%, it is **39.1503, 0.2130, 0.2816**.

Distribution



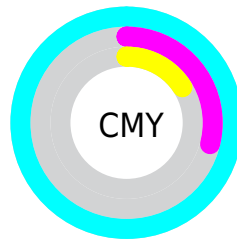
- Red (0%)
- Green (71%)
- Blue (84%)



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



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




- Cyan (100%)
- Magenta (29%)
- Yellow (16%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.5488, 0.2099, 0.2758 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 37.5488, 0.2099, 0.2758 by changing the saturation by 10% instead.


 37.5488, 0.2099,
0.2758


 37.5488, 0.2099,
0.2758


335.6805, 0.2606,
0.3045

 25.6327, 0.1977,
0.2681


 71.4160, 0.2280,
0.2867


 16.5491, 0.1825,
0.2580

 94.1360, 0.2349,
0.2906


 9.9135, 0.1630,
0.2443


 121.2259, 0.2408,
0.2939

 5.3416, 0.1374,
0.2247

 153.0704, 0.2458,
0.2967

 2.4491, 0.1034,
0.1955

 190.0536, 0.2502,
0.2991

 0.8510, 0.0325,
0.1537

232.5601, 0.2541,

 0.0000, 0.0000,

0.3011

0.0000

280.9743, 0.2575,
0.3029

■ 37.5488, 0.2099,
0.2758

■ 37.5488, 0.2099,
0.2758

■ 37.5556, 0.2100,
0.2758

■ 39.1503, 0.2130,
0.2816

■ 40.9646, 0.2177,
0.2874

■ 43.0595, 0.2243,
0.2932

■ 45.4692, 0.2328,
0.2990

■ 48.2222, 0.2431,
0.3047

■ 51.3439, 0.2550,
0.3102

■ 54.8568, 0.2682,
0.3154

■ 58.7816, 0.2824,
0.3203

■ 63.1375, 0.2974,
0.3249

Harmonies

Analogous

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



37.5488, 0.2252, 0.3262



37.5488, 0.2099, 0.2758



37.5488, 0.2185, 0.2462

Triad

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



37.5488, 0.2099, 0.2758



37.5488, 0.3588, 0.2808



37.5488, 0.3719, 0.4319

Complementary

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



37.5488, 0.2099, 0.2758



15.6445, 0.6252, 0.3418

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.



37.5488, 0.4133, 0.4067



37.5488, 0.2099, 0.2758



37.5488, 0.4074, 0.3211

Square

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



37.5488, 0.2099, 0.2758



37.5488, 0.3000, 0.2516



37.5488, 0.4276, 0.3658



37.5488, 0.3168, 0.4260

Rectangle

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



37.5488, 0.2099, 0.2758



37.5488, 0.2370, 0.2389



37.5488, 0.4276, 0.3658



37.5488, 0.3880, 0.4262

Sweetspot

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



37.5556, 0.2100, 0.2758



80.5813, 0.2678, 0.3153



48.6979, 0.2968, 0.5885



16.7627, 0.2620, 0.3131



0.0000, 0.0000, 0.0000



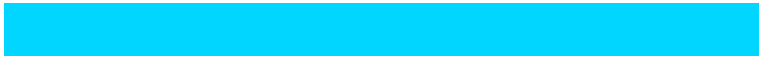
21.4041, 0.3127, 0.3290

Same Dimension

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



37.5556, 0.2100, 0.2758



55.0743, 0.2098, 0.2753



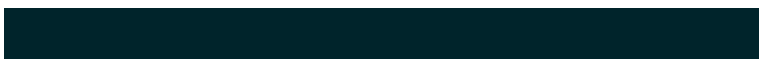
9.9708, 0.1641, 0.1106



13.7479, 0.2983, 0.3251



22.5985, 0.2102, 0.2767



1.4570, 0.2130, 0.2866

Inverse Universe

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



17.7406, 0.3674, 0.1797



26.0909, 0.3679, 0.1800



33.1245, 0.4987, 0.4422



12.5964, 0.3162, 0.3097



10.6262, 0.3665, 0.1793



0.6504, 0.3574, 0.1742

Previews

White Background



This preview shows how the Yxy color 37.5488, 0.2099, 0.2758 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 37.5488, 0.2099, 0.2758 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

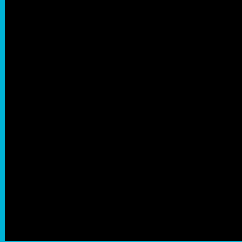
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.5488, 0.2099, 0.2758

Background



This preview shows how black text looks on a background with the Yxy color 37.5488, 0.2099, 0.2758.



This preview shows how white text looks on a background with the Yxy color 37.5488, 0.2099, 0.2758.

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

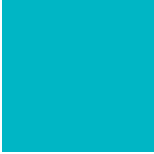
37.5488, 0.2099, 0.2758

Protanopia

36.9750, 0.2735, 0.2740

Deuteranopia

36.9938, 0.2579, 0.2515



Tritanopia

37.4871, 0.2180, 0.3049

Trichromacy



Original Color

37.5488, 0.2099, 0.2758



Protanomaly

35.4776, 0.2341, 0.2724



Deuteranomaly

35.5001, 0.2267, 0.2565



Tritanomaly

37.4074, 0.2147, 0.2929

Monochromacy



Original Color

37.5488, 0.2099, 0.2758



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

25.5920, 0.2458, 0.3056

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.5488, 0.2099, 0.2758 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, 180, 215)` looks like.

```
.text, #text, p{  
    color:rgb(0, 180, 215)  
}
```

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, 180, 215) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 180, 215) }
```

Border

The CSS property to change the border of an element to Yxy 37.5488, 0.2099, 0.2758 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, 180, 215) }
```

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

```
.border{ border-color:rgb(0, 180, 215) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 180, 215)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 180, 215); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 180, 215);  
box-shadow:4px 4px 4px 4px rgb(0, 180,  
215) }
```


Background

The CSS property to change the background color of an element to Yxy 37.5488, 0.2099, 0.2758 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 180, 215) }
```

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

```
.background{ background-color: rgb(0, 180,  
215) }
```

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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