

Converting Colors

$Y_{xy}(35.1550, 0.2001, 0.2707)$

Have a look what the booklet for
Yxy(35.1550, 0.2001, 0.2707)
contains.

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Color

Yxy(35.9057, 0.2085, 0.2707)

Conversions

Conversions Part 1

Format	Color
Hex	00B0D6
RGB	0, 176, 214
RGB Percent	0%, 69%, 84%
CMY	1.0000, 0.3097, 0.1609
CMYK	1.00, 0.18, 0.00, 0.16
HSL	191°, 100%, 42%
HSV	191°, 100%, 84%
XYZ	27.6555, 35.9057, 69.0790
YIQ	127.7080, -117.0940, -25.4940

Conversions

Conversions Part 2

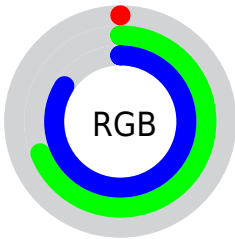
Format	Color
RYB	0, 97, 214
Decimal	45270
CIELab	66.45, -24.06, -29.70
CIELCh	66, 38.222, 230.996
Yxy	35.9057, 0.2085, 0.2707
Android (android.graphics.Color)	4278235350 (0xFF00B0D6)
YUV	127.7080, 42.5420, -111.9999
Hunter-Lab	59.9214, -22.4794, -26.4062

Details

The Yxy color **35.9057, 0.2085, 0.2707** 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 **15.6778, 0.6229, 0.3436**, and the grayscale version is **21.3630, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8763, 0.2334, 0.3011**, and **16.6691, 0.2042, 0.2552** is the 20% darker color. If you saturate the color by 10%, you get **35.9105, 0.2085, 0.2707**, and if you desaturate by 10%, it is **37.5844, 0.2118, 0.2770**.

Distribution



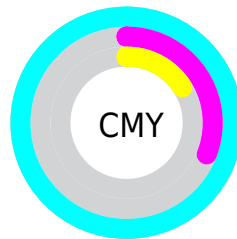
- Red (0%)
- Green (69%)
- Blue (84%)



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



- Cyan (100%)
- Magenta (18%)
- Yellow (0%)
- Black (16%)




- Cyan (100%)
- Magenta (31%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.9057, 0.2085, 0.2707 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 35.9057, 0.2085, 0.2707 by changing the saturation by 10% instead.


 35.9057, 0.2085,
0.2707


 35.9057, 0.2085,
0.2707


328.5482, 0.2602,
0.3021

 24.3614, 0.1960,
0.2623


 68.8865, 0.2270,
0.2826

 15.6019, 0.1804,
0.2513


 91.0917, 0.2341,
0.2869


 9.2429, 0.1603,
0.2364

 117.6194, 0.2400,
0.2905

 4.9000, 0.1340,
0.2151

 148.8540, 0.2452,
0.2935

 2.1887, 0.0991,
0.1836

 185.1797, 0.2497,
0.2962

 0.7138, 0.0177,
0.1383

226.9810, 0.2536,

 0.0000, 0.0000,

0.2984

0.0000

274.6424, 0.2571,
0.3004

■ 35.9057, 0.2085,
0.2707

■ 35.9057, 0.2085,
0.2707

■ 35.9105, 0.2085,
0.2707

■ 37.5844, 0.2118,
0.2770

■ 39.4818, 0.2167,
0.2834

■ 41.6634, 0.2235,
0.2899

■ 44.1630, 0.2322,
0.2962

■ 47.0090, 0.2427,
0.3025

■ 50.2264, 0.2547,
0.3085

■ 53.8377, 0.2681,
0.3142

■ 57.8632, 0.2824,
0.3195

■ 62.3222, 0.2974,
0.3245

Harmonies

Analogous

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



35.9057, 0.2213, 0.3198



35.9057, 0.2085, 0.2707



35.9057, 0.2198, 0.2433

Triad

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



35.9057, 0.2085, 0.2707



35.9057, 0.3657, 0.2842



35.9057, 0.3669, 0.4344

Complementary

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



35.9057, 0.2085, 0.2707



15.6778, 0.6229, 0.3436

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.



35.9057, 0.4111, 0.4114



35.9057, 0.2085, 0.2707



35.9057, 0.4125, 0.3257

Square

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



35.9057, 0.2085, 0.2707



35.9057, 0.3062, 0.2532



35.9057, 0.4291, 0.3709



35.9057, 0.3105, 0.4245

Rectangle

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



35.9057, 0.2085, 0.2707



35.9057, 0.2400, 0.2376



35.9057, 0.4291, 0.3709



35.9057, 0.3838, 0.4297

Sweetspot

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



35.9105, 0.2085, 0.2707



79.9074, 0.2677, 0.3140



48.2098, 0.2962, 0.5863



16.5998, 0.2618, 0.3116



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.



35.9105, 0.2085, 0.2707



53.1917, 0.2084, 0.2701



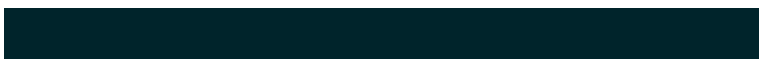
9.4024, 0.1629, 0.1063



13.7155, 0.2983, 0.3248



21.8475, 0.2088, 0.2716



1.4182, 0.2118, 0.2826

Inverse Universe

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



17.4287, 0.3722, 0.1824



25.9009, 0.3727, 0.1827



33.8351, 0.4941, 0.4459



12.5931, 0.3165, 0.3100



10.5504, 0.3713, 0.1819



0.6465, 0.3611, 0.1763

Previews

White Background



This preview shows how the Yxy color 35.9057, 0.2085, 0.2707 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 35.9057, 0.2085, 0.2707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

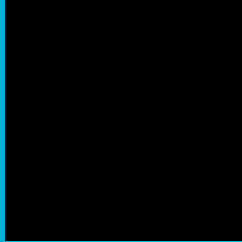
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.9057, 0.2085, 0.2707

Background



This preview shows how black text looks on a background with the Yxy color 35.9057, 0.2085, 0.2707.

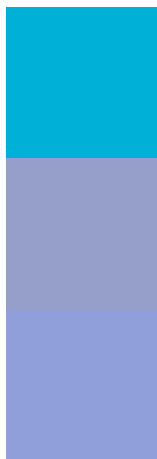


This preview shows how white text looks on a background with the Yxy color 35.9057, 0.2085, 0.2707.

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

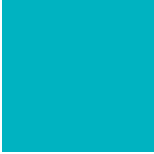
35.9057, 0.2085, 0.2707

Protanopia

35.4974, 0.2706, 0.2704

Deuteranopia

35.4450, 0.2543, 0.2477



Tritanopia

36.0905, 0.2184, 0.3061

Trichromacy



Original Color

35.9057, 0.2085, 0.2707



Protanomaly

33.7994, 0.2318, 0.2672



Deuteranomaly

34.1953, 0.2247, 0.2529



Tritanomaly

36.0578, 0.2145, 0.2923

Monochromacy



Original Color

35.9057, 0.2085, 0.2707



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

24.5033, 0.2449, 0.3034

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.9057, 0.2085, 0.2707 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, 176, 214)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 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(0, 176, 214) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 214) }
```

Border

The CSS property to change the border of an element to Yxy 35.9057, 0.2085, 0.2707 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, 176, 214) }
```

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

```
.border{ border-color:rgb(0, 176, 214) }
```

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

Here you see how a box with a 4 pixel rgb(0, 176, 214) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 214); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 214);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
214) }
```


Background

The CSS property to change the background color of an element to Yxy 35.9057, 0.2085, 0.2707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 176, 214) }
```

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

```
.background{ background-color: rgb(0, 176,  
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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