

Converting Colors

$Y_{xy}(29.6838, 0.1439, 0.2768)$

Have a look what the booklet for
Yxy(29.6838, 0.1439, 0.2768)
contains.

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Color

Yxy(35.4103, 0.2124, 0.2846)

Conversions

Conversions Part 1

Format	Color
Hex	00B0CC
RGB	0, 176, 204
RGB Percent	0%, 69%, 80%
CMY	0.9997, 0.3098, 0.1999
CMYK	1.00, 0.14, 0.00, 0.20
HSL	188°, 100%, 40%
HSV	188°, 100%, 80%
XYZ	26.4271, 35.4103, 62.5839
YIQ	126.5680, -113.8840, -28.6040

Conversions

Conversions Part 2

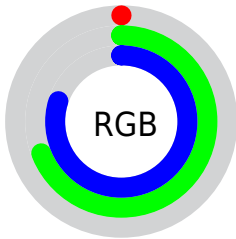
Format	Color
RYB	0, 94, 204
Decimal	45260
CIELab	66.07, -27.39, -24.79
CIELCh	66, 36.949, 222.149
Yxy	35.4103, 0.2124, 0.2846
Android (android.graphics.Color)	4278235340 (0xFF00B0CC)
YUV	126.5680, 38.1740, -111.0001
Hunter-Lab	59.5066, -24.8640, -20.7016

Details

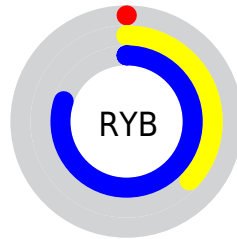
The Yxy color **35.4103, 0.2124, 0.2846** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as dark washed azure. A complement of this color would be **13.6769, 0.6283, 0.3393**, and the grayscale version is **20.9737, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.7580, 0.2328, 0.3011**, and **16.3679, 0.2087, 0.2714** is the 20% darker color. If you saturate the color by 10%, you get **35.4065, 0.2124, 0.2846**, and if you desaturate by 10%, it is **36.6758, 0.2153, 0.2894**.

Distribution



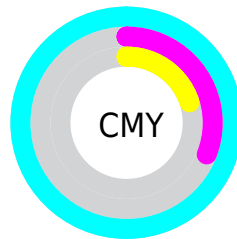
- Red (0%)
- Green (69%)
- Blue (80%)



- Red (0%)
- Yellow (37%)
- Blue (80%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (20%)





- Cyan (100%)
- Magenta (31%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4103, 0.2124, 0.2846 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 35.4103, 0.2124, 0.2846 by changing the saturation by 10% instead.


 35.4103, 0.2124,
0.2846


 35.4103, 0.2124,
0.2846


326.3757, 0.2625,
0.3092


 23.9791, 0.2002,
0.2778


 68.1209, 0.2305,
0.2941

 15.3181, 0.1847,
0.2687


 90.1691, 0.2373,
0.2975


 9.0430, 0.1646,
0.2560


 116.5251, 0.2431,
0.3003

 4.7692, 0.1380,
0.2374

 147.5733, 0.2481,
0.3026

 2.1125, 0.1021,
0.2084

 183.6980, 0.2524,
0.3046

 0.6716, 0.0000,
0.1659

225.2837, 0.2562,

 0.0000, 0.0000,

0.3064

0.0000

272.7148, 0.2595,
0.3079

■ 35.4103, 0.2124,
0.2846

■ 35.4103, 0.2124,
0.2846

■ 35.4065, 0.2124,
0.2846

■ 36.6758, 0.2153,
0.2894

■ 38.1249, 0.2196,
0.2942

■ 39.8139, 0.2259,
0.2991

■ 41.7725, 0.2341,
0.3039

■ 44.0259, 0.2440,
0.3086

■ 46.5960, 0.2556,
0.3132

■ 49.5028, 0.2686,
0.3176

■ 52.7642, 0.2827,
0.3217

■ 56.3970, 0.2975,
0.3255

Harmonies

Analogous

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



35.4103, 0.2319, 0.3371



35.4103, 0.2124, 0.2846



35.4103, 0.2165, 0.2512

Triad

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



35.4103, 0.2124, 0.2846



35.4103, 0.3475, 0.2751



35.4103, 0.3802, 0.4276

Complementary

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



35.4103, 0.2124, 0.2846



13.6769, 0.6283, 0.3393

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.



35.4103, 0.4168, 0.3989



35.4103, 0.2124, 0.2846



35.4103, 0.3987, 0.3133

Square

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



35.4103, 0.2124, 0.2846



35.4103, 0.2900, 0.2490



35.4103, 0.4246, 0.3572



35.4103, 0.3273, 0.4282

Rectangle

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



35.4103, 0.2124, 0.2846



35.4103, 0.2320, 0.2413



35.4103, 0.4246, 0.3572



35.4103, 0.3949, 0.4204

Sweetspot

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



35.4116, 0.2124, 0.2846



81.7391, 0.2680, 0.3174



43.2787, 0.2973, 0.5901



17.0428, 0.2624, 0.3156



0.0000, 0.0000, 0.0000



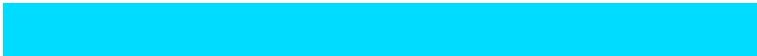
21.4041, 0.3127, 0.3290

Same Dimension

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



35.4116, 0.2124, 0.2846



58.3837, 0.2122, 0.2840



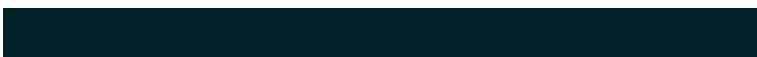
9.3749, 0.1655, 0.1157



12.4539, 0.2983, 0.3257



22.3805, 0.2126, 0.2853



1.2289, 0.2152, 0.2946

Inverse Universe

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



15.9773, 0.3592, 0.1753



26.4250, 0.3598, 0.1756



28.6067, 0.5030, 0.4388



11.3762, 0.3158, 0.3092



10.0623, 0.3586, 0.1749



0.5266, 0.3502, 0.1703

Previews

White Background



This preview shows how the Yxy color 35.4103, 0.2124, 0.2846 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 35.4103, 0.2124, 0.2846 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

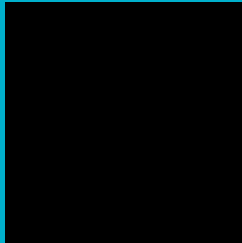
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.4103, 0.2124, 0.2846

Background



This preview shows how black text looks on a background with the Yxy color 35.4103, 0.2124, 0.2846.

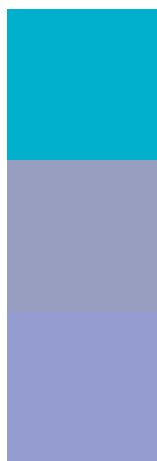


This preview shows how white text looks on a background with the Yxy color 35.4103, 0.2124, 0.2846.

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

35.4103, 0.2124, 0.2846

Protanopia

34.8907, 0.2796, 0.2821

Deuteranopia

35.0576, 0.2646, 0.2588



Tritanopia

35.2501, 0.2179, 0.3043

Trichromacy



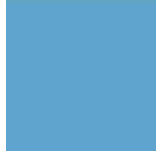
Original Color

35.4103, 0.2124, 0.2846



Protanomaly

33.4372, 0.2383, 0.2811



Deuteranomaly

33.4888, 0.2309, 0.2643



Tritanomaly

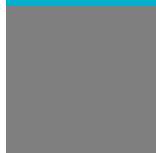
35.4298, 0.2162, 0.2982

Monochromacy



Original Color

35.4103, 0.2124, 0.2846



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

24.3667, 0.2476, 0.3104

CSS Examples

Text

The CSS property to change the color of the text to Yxy 35.4103, 0.2124, 0.2846 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, 204)` looks like.

```
.text, #text, p{  
    color:rgb(0, 176, 204)  
}
```

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, 204) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 176, 204) }
```

Border

The CSS property to change the border of an element to Yxy 35.4103, 0.2124, 0.2846 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, 204) }
```

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

```
.border{ border-color:rgb(0, 176, 204) }
```

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, 204) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 176, 204); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 176, 204);  
box-shadow:4px 4px 4px 4px rgb(0, 176,  
204) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4103, 0.2124, 0.2846 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, 204) }
```

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

```
.background{ background-color: rgb(0, 176,  
204) }
```

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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