

Converting Colors

$Y_{xy}(35.3764, 0.2121, 0.2834)$

Have a look what the booklet for
Yxy(35.3764, 0.2121, 0.2834)
contains.

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Color

Yxy(35.4649, 0.2121, 0.2832)

Conversions

Conversions Part 1

Format	Color
Hex	01B0CD
RGB	1, 176, 205
RGB Percent	0%, 69%, 80%
CMY	0.9943, 0.3098, 0.1961
CMYK	0.99, 0.14, 0.00, 0.20
HSL	189°, 99%, 40%
HSV	189°, 99%, 80%
XYZ	26.5611, 35.4649, 63.2032
YIQ	126.9810, -113.6090, -28.0810

Conversions

Conversions Part 2

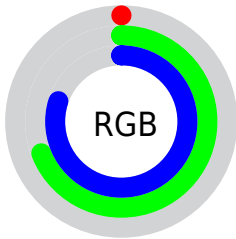
Format	Color
R _{YB}	1, 95, 205
Decimal	110797
CIE Lab	66.11, -27.02, -25.27
CIE LCh	66, 36.998, 223.076
Yxy	35.4649, 0.2121, 0.2832
Android (android.graphics.Color)	4278300877 (0xFF01B0CD)
YUV	126.9810, 38.4634, -110.4853
Hunter-Lab	59.5524, -24.6035, -21.2380

Details

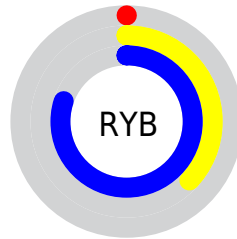
The Yxy color **35.4649, 0.2121, 0.2832** is a dark color, and the websafe version is hex **00CCFF**. The color can be described as dark washed azure. A complement of this color would be **13.9346, 0.6263, 0.3401**, and the grayscale version is **21.1596, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.8168, 0.2331, 0.3011**, and **16.4003, 0.2082, 0.2695** is the 20% darker color. If you saturate the color by 10%, you get **35.3755, 0.2119, 0.2828**, and if you desaturate by 10%, it is **36.7848, 0.2151, 0.2882**.

Distribution



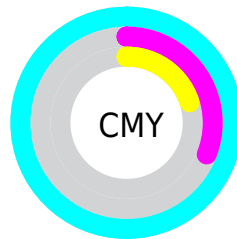
- Red (0%)
- Green (69%)
- Blue (80%)



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



- Cyan (99%)
- Magenta (14%)
- Yellow (0%)
- Black (20%)




- Cyan (99%)
- Magenta (31%)
- Yellow (20%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 35.4649, 0.2121, 0.2832 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 35.4649, 0.2121, 0.2832 by changing the saturation by 10% instead.


 35.4649, 0.2121,
0.2832


 35.4649, 0.2121,
0.2832


326.6156, 0.2623,
0.3085


 24.0212, 0.1998,
0.2762


 68.2053, 0.2302,
0.2929

 15.3494, 0.1844,
0.2669


 90.2709, 0.2370,
0.2964


 9.0649, 0.1643,
0.2540


 116.6459, 0.2429,
0.2993

 4.7836, 0.1378,
0.2351

 147.7146, 0.2479,
0.3017

 2.1208, 0.1019,
0.2058

 183.8616, 0.2522,
0.3038

 0.6763, 0.0000,
0.1633

225.4712, 0.2560,

 0.0000, 0.0000,

0.3056

0.0000

272.9277, 0.2593,
0.3071

■ 35.4649, 0.2121,
0.2832

■ 35.4649, 0.2121,
0.2832

■ 35.3755, 0.2119,
0.2828

■ 36.7848, 0.2151,
0.2882

■ 38.2994, 0.2196,
0.2932

■ 40.0605, 0.2261,
0.2983

■ 42.0978, 0.2344,
0.3033

■ 44.4365, 0.2446,
0.3082

■ 47.0988, 0.2564,
0.3130

■ 50.1044, 0.2695,
0.3175

■ 53.4717, 0.2836,
0.3217

■ 57.2175, 0.2985,
0.3257

Harmonies

Analogous

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



35.4649, 0.2309, 0.3353



35.4649, 0.2121, 0.2832



35.4649, 0.2170, 0.2504

Triad

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



35.4649, 0.2121, 0.2832



35.4649, 0.3493, 0.2761



35.4649, 0.3787, 0.4282

Complementary

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



35.4649, 0.2121, 0.2832



13.9346, 0.6263, 0.3401

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.



35.4649, 0.4161, 0.4001



35.4649, 0.2121, 0.2832



35.4649, 0.4000, 0.3146

Square

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



35.4649, 0.2121, 0.2832



35.4649, 0.2917, 0.2495



35.4649, 0.4250, 0.3586



35.4649, 0.3256, 0.4278

Rectangle

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



35.4649, 0.2121, 0.2832



35.4649, 0.2329, 0.2410



35.4649, 0.4250, 0.3586



35.4649, 0.3937, 0.4212

Sweetspot

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



35.4662, 0.2121, 0.2832



81.5050, 0.2680, 0.3170



43.7593, 0.2972, 0.5894



16.9862, 0.2623, 0.3151



0.0000, 0.0000, 0.0000



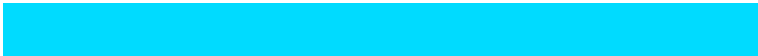
21.4041, 0.3127, 0.3290

Same Dimension

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



35.4662, 0.2121, 0.2832



57.7069, 0.2117, 0.2822



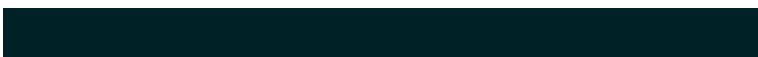
9.5984, 0.1660, 0.1169



12.4439, 0.2983, 0.3256



22.1288, 0.2121, 0.2836



1.2182, 0.2148, 0.2933

Inverse Universe

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



16.1453, 0.3605, 0.1762



26.3567, 0.3614, 0.1765



29.0458, 0.5021, 0.4390



11.3752, 0.3159, 0.3094



10.0369, 0.3602, 0.1758



0.5255, 0.3514, 0.1709

Previews

White Background



This preview shows how the Yxy color 35.4649, 0.2121, 0.2832 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 35.4649, 0.2121, 0.2832 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

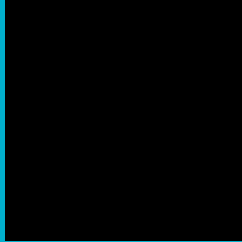
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 35.4649, 0.2121, 0.2832

Background



This preview shows how black text looks on a background with the Yxy color 35.4649, 0.2121, 0.2832.

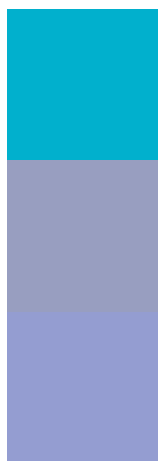


This preview shows how white text looks on a background with the Yxy color 35.4649, 0.2121, 0.2832.

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

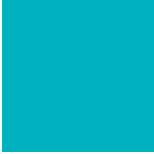
35.4649, 0.2121, 0.2832

Protanopia

34.9349, 0.2788, 0.2808

Deuteranopia

35.0133, 0.2631, 0.2575



Tritanopia

35.6466, 0.2183, 0.3060

Trichromacy



Original Color

35.4649, 0.2121, 0.2832



Protanomaly

33.4829, 0.2377, 0.2796



Deuteranomaly

33.5379, 0.2304, 0.2630



Tritanomaly

35.4820, 0.2158, 0.2967

Monochromacy



Original Color

35.4649, 0.2121, 0.2832



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 35.4649, 0.2121, 0.2832 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, 176, 205)` looks like.

```
.text, #text, p{  
    color:rgb(1, 176, 205)  
}
```

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, 176, 205) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 176, 205) }
```

Border

The CSS property to change the border of an element to Yxy 35.4649, 0.2121, 0.2832 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, 176, 205) }
```

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

```
.border{ border-color:rgb(1, 176, 205) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 176, 205)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 176, 205); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 176, 205);  
box-shadow:4px 4px 4px 4px rgb(1, 176,  
205) }
```


Background

The CSS property to change the background color of an element to Yxy 35.4649, 0.2121, 0.2832 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 176, 205) }
```

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

```
.background{ background-color: rgb(1, 176,  
205) }
```

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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