

Converting Colors

$Y_{xy}(35.8000, 0.2026, 0.2744)$

Have a look what the booklet for
Yxy(35.8000, 0.2026, 0.2744)
contains.

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Color

Yxy(36.6449, 0.2098, 0.2753)

Conversions

Conversions Part 1

Format	Color
Hex	00B2D5
RGB	0, 178, 213
RGB Percent	0%, 70%, 84%
CMY	1.0000, 0.3019, 0.1648
CMYK	1.00, 0.16, 0.00, 0.16
HSL	190°, 100%, 42%
HSV	190°, 100%, 84%
XYZ	27.9263, 36.6449, 68.5378
YIQ	128.7680, -117.3230, -26.8510

Conversions

Conversions Part 2

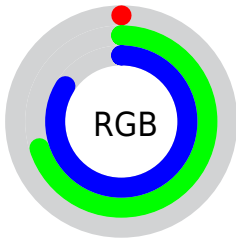
Format	Color
RYB	0, 97, 213
Decimal	45781
CIELab	67.01, -25.40, -28.28
CIELCh	67, 38.015, 228.074
Yxy	36.6449, 0.2098, 0.2753
Android (android.graphics.Color)	4278235861 (0xFF00B2D5)
YUV	128.7680, 41.5264, -112.9295
Hunter-Lab	60.5350, -23.5900, -24.7537

Details

The Yxy color **36.6449, 0.2098, 0.2753** 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 **15.3434, 0.6249, 0.3420**, and the grayscale version is **21.7517, 0.3127, 0.3290**.

A 20% lighter version of the original color is **69.0087, 0.2340, 0.3036**, and **17.1359, 0.2059, 0.2613** is the 20% darker color. If you saturate the color by 10%, you get **36.6474, 0.2098, 0.2753**, and if you desaturate by 10%, it is **38.2197, 0.2129, 0.2811**.

Distribution



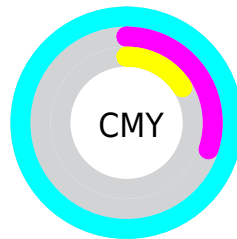
- Red (0%)
- Green (70%)
- Blue (84%)



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



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





- Cyan (100%)
- Magenta (30%)
- Yellow (16%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.6449, 0.2098, 0.2753 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 36.6449, 0.2098, 0.2753 by changing the saturation by 10% instead.


 36.6449, 0.2098,
0.2753


 36.6449, 0.2098,
0.2753


 331.7706, 0.2607,
0.3044


 24.9327, 0.1975,
0.2675


 70.0263, 0.2280,
0.2863

 16.0269, 0.1821,
0.2572


 92.4643, 0.2350,
0.2903


 9.5432, 0.1623,
0.2432


 119.2463, 0.2409,
0.2936

 5.0971, 0.1363,
0.2232

 150.7567, 0.2460,
0.2965

 2.3044, 0.1017,
0.1931

 187.3799, 0.2504,
0.2989

 0.7760, 0.0228,
0.1503

 229.5004, 0.2543,

 0.0000, 0.0000,

0.3010

0.0000

277.5025, 0.2577,
0.3028

■ 36.6449, 0.2098,
0.2753

■ 36.6449, 0.2098,
0.2753

■ 36.6474, 0.2098,
0.2753

■ 38.2197, 0.2129,
0.2811

■ 40.0072, 0.2176,
0.2870

■ 42.0700, 0.2242,
0.2929

■ 44.4414, 0.2327,
0.2988

■ 47.1494, 0.2431,
0.3045

■ 50.2187, 0.2550,
0.3100

■ 53.6713, 0.2682,
0.3153

■ 57.5276, 0.2824,
0.3203

■ 61.8061, 0.2974,
0.3248

Harmonies

Analogous

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



36.6449, 0.2248, 0.3256



36.6449, 0.2098, 0.2753



36.6449, 0.2187, 0.2459

Triad

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



36.6449, 0.2098, 0.2753



36.6449, 0.3595, 0.2811



36.6449, 0.3714, 0.4321

Complementary

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



36.6449, 0.2098, 0.2753



15.3434, 0.6249, 0.3420

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.



36.6449, 0.4131, 0.4072



36.6449, 0.2098, 0.2753



36.6449, 0.4079, 0.3216

Square

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



36.6449, 0.2098, 0.2753



36.6449, 0.3007, 0.2518



36.6449, 0.4277, 0.3663



36.6449, 0.3161, 0.4258

Rectangle

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



36.6449, 0.2098, 0.2753



36.6449, 0.2373, 0.2388



36.6449, 0.4277, 0.3663



36.6449, 0.3875, 0.4265

Sweetspot

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



36.6474, 0.2098, 0.2753



80.5101, 0.2678, 0.3152



47.6822, 0.2968, 0.5885



16.7455, 0.2620, 0.3129



0.0000, 0.0000, 0.0000



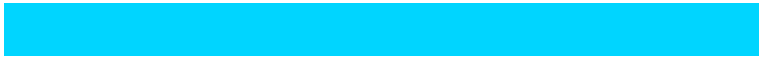
21.4041, 0.3127, 0.3290

Same Dimension

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



36.6474, 0.2098, 0.2753



54.8737, 0.2097, 0.2747



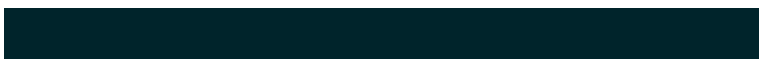
9.7734, 0.1641, 0.1107



13.7445, 0.2983, 0.3251



22.5185, 0.2101, 0.2762



1.4528, 0.2128, 0.2862

Inverse Universe

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



17.3578, 0.3678, 0.1800



26.0707, 0.3684, 0.1803



32.4456, 0.4987, 0.4422



12.5960, 0.3163, 0.3097



10.6181, 0.3670, 0.1796



0.6500, 0.3578, 0.1745

Previews

White Background



This preview shows how the Yxy color 36.6449, 0.2098, 0.2753 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 36.6449, 0.2098, 0.2753 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

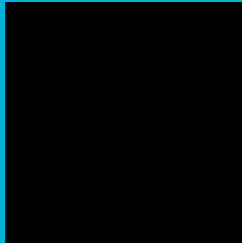
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.6449, 0.2098, 0.2753

Background



This preview shows how black text looks on a background with the Yxy color 36.6449, 0.2098, 0.2753.

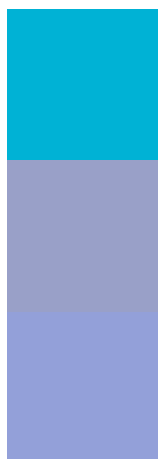


This preview shows how white text looks on a background with the Yxy color 36.6449, 0.2098, 0.2753.

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

36.6449, 0.2098, 0.2753

Protanopia

36.0840, 0.2739, 0.2735

Deuteranopia

36.3544, 0.2575, 0.2521



Tritanopia

36.5376, 0.2184, 0.3062

Trichromacy



Original Color

36.6449, 0.2098, 0.2753



Protanomaly

34.5866, 0.2340, 0.2719



Deuteranomaly

34.9750, 0.2269, 0.2574



Tritanomaly

36.4572, 0.2150, 0.2940

Monochromacy



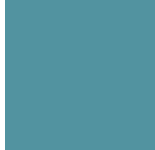
Original Color

36.6449, 0.2098, 0.2753



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

25.1993, 0.2455, 0.3054

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.6449, 0.2098, 0.2753 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, 178, 213)` looks like.

```
.text, #text, p{  
    color:rgb(0, 178, 213)  
}
```

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, 178, 213) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 178, 213) }
```

Border

The CSS property to change the border of an element to Yxy 36.6449, 0.2098, 0.2753 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, 178, 213) }
```

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

```
.border{ border-color:rgb(0, 178, 213) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 178, 213)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 178, 213); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 178, 213);  
box-shadow:4px 4px 4px 4px rgb(0, 178,  
213) }
```


Background

The CSS property to change the background color of an element to Yxy 36.6449, 0.2098, 0.2753 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 178, 213) }
```

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

```
.background{ background-color: rgb(0, 178,  
213) }
```

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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