

Converting Colors

$Yxy(31.0636, 0.1807, 0.2781)$

Have a look what the booklet for
Yxy(31.0636, 0.1807, 0.2781)
contains.

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Color

Yxy(33.7221, 0.2118, 0.2823)

Conversions

Conversions Part 1

Format	Color
Hex	01ACC9
RGB	1, 172, 201
RGB Percent	0%, 67%, 79%
CMY	0.9974, 0.3255, 0.2118
CMYK	1.00, 0.14, 0.00, 0.21
HSL	189°, 99%, 40%
HSV	189°, 100%, 79%
XYZ	25.3005, 33.7221, 60.4322
YIQ	124.1770, -111.2250, -27.2330

Conversions

Conversions Part 2

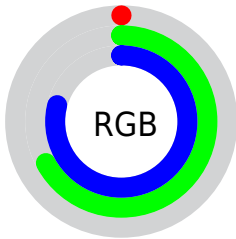
Format	Color
RYB	1, 93, 201
Decimal	109769
CIELab	64.74, -26.39, -25.15
CIELCh	65, 36.453, 223.629
Yxy	33.7221, 0.2118, 0.2823
Android (android.graphics.Color)	4278299849 (0xFF01ACC9)
YUV	124.1770, 37.8737, -108.0262
Hunter-Lab	58.0707, -23.8540, -21.0515

Details

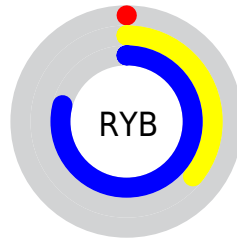
The Yxy color **33.7221, 0.2118, 0.2823** is a dark color, and the websafe version is hex **0099CC**. The color can be described as dark washed azure. A complement of this color would be **13.3301, 0.6266, 0.3403**, and the grayscale version is **20.0790, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4735, 0.2313, 0.2960**, and **15.3002, 0.2078, 0.2680** is the 20% darker color. If you saturate the color by 10%, you get **33.6831, 0.2117, 0.2821**, and if you desaturate by 10%, it is **34.9957, 0.2148, 0.2874**.

Distribution



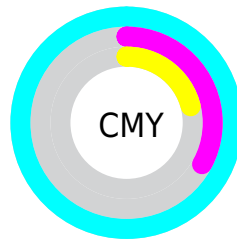
- Red (0%)
- Green (67%)
- Blue (79%)



- Red (0%)
- Yellow (36%)
- Blue (79%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (21%)



- Cyan (100%)
- Magenta (33%)
- Yellow (21%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 33.7221, 0.2118, 0.2823 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 33.7221, 0.2118, 0.2823 by changing the saturation by 10% instead.

■ 33.7221, 0.2118,
0.2823

■ 33.7221, 0.2118,
0.2823

■ 318.8911, 0.2626,
0.3082

■ 22.6802, 0.1993,
0.2751

■ 65.5013, 0.2302,
0.2923

■ 14.3575, 0.1834,
0.2654

■ 87.0073, 0.2371,
0.2959

■ 8.3698, 0.1628,
0.2519

■ 112.7702, 0.2430,
0.2988

■ 4.3324, 0.1353,
0.2320

■ 143.1744, 0.2480,
0.3013

■ 1.8612, 0.0981,
0.2008

■ 178.6041, 0.2524,
0.3034

■ 0.5249, 0.0000,
0.1458

219.4439, 0.2562,

■ 0.0000, 0.0000,

0.3053

0.0000

266.0781, 0.2596,
0.3068

■ 33.7221, 0.2118,
0.2823

■ 33.7221, 0.2118,
0.2823

■ 33.6831, 0.2117,
0.2821

■ 34.9957, 0.2148,
0.2874

■ 36.4515, 0.2193,
0.2925

■ 38.1425, 0.2257,
0.2976

■ 40.0971, 0.2341,
0.3027

■ 42.3393, 0.2442,
0.3077

■ 44.8903, 0.2559,
0.3125

■ 47.7693, 0.2690,
0.3171

■ 50.9935, 0.2831,
0.3215

■ 54.5792, 0.2979,
0.3255

Harmonies

Analogous

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



33.7221, 0.2302, 0.3342



33.7221, 0.2118, 0.2823



33.7221, 0.2171, 0.2499

Triad

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



33.7221, 0.2118, 0.2823



33.7221, 0.3504, 0.2766



33.7221, 0.3780, 0.4286

Complementary

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



33.7221, 0.2118, 0.2823



13.3301, 0.6266, 0.3403

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.



33.7221, 0.4158, 0.4009



33.7221, 0.2118, 0.2823



33.7221, 0.4009, 0.3154

Square

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



33.7221, 0.2118, 0.2823



33.7221, 0.2926, 0.2497



33.7221, 0.4253, 0.3594



33.7221, 0.3245, 0.4276

Rectangle

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



33.7221, 0.2118, 0.2823



33.7221, 0.2334, 0.2407



33.7221, 0.4253, 0.3594



33.7221, 0.3930, 0.4218

Sweetspot

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



33.7233, 0.2118, 0.2823



81.4001, 0.2680, 0.3168



41.8576, 0.2972, 0.5897



16.9608, 0.2623, 0.3149



0.0000, 0.0000, 0.0000



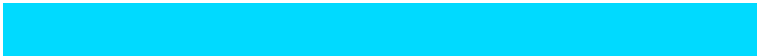
21.4041, 0.3127, 0.3290

Same Dimension

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



33.7233, 0.2118, 0.2823



57.4049, 0.2115, 0.2814



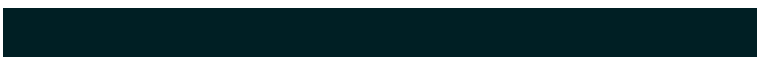
9.1338, 0.1657, 0.1164



11.7957, 0.2984, 0.3256



21.2828, 0.2119, 0.2829



1.0812, 0.2148, 0.2934

Inverse Universe

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



15.4097, 0.3613, 0.1765



26.3262, 0.3621, 0.1769



27.7368, 0.5025, 0.4390



10.7892, 0.3159, 0.3095



9.6885, 0.3608, 0.1761



0.4662, 0.3513, 0.1709

Previews

White Background



This preview shows how the Yxy color 33.7221, 0.2118, 0.2823 looks on a white background.

Color Contrast Check

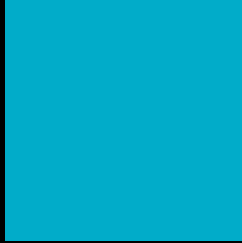
Large Text (above 18pt) WCAG AA × Fail

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 33.7221, 0.2118, 0.2823 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

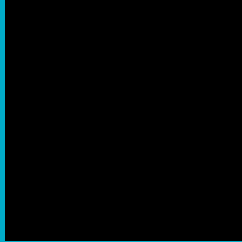
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.7221, 0.2118, 0.2823

Background



This preview shows how black text looks on a background with the Yxy color 33.7221, 0.2118, 0.2823.

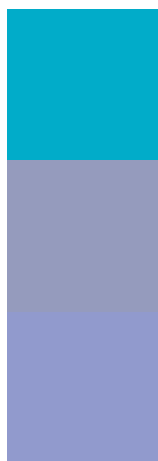


This preview shows how white text looks on a background with the Yxy color 33.7221, 0.2118, 0.2823.

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

33.7285, 0.2118, 0.2823

Protanopia

33.5064, 0.2783, 0.2800

Deuteranopia

33.5387, 0.2630, 0.2576



Tritanopia

33.8600, 0.2187, 0.3071

Trichromacy



Original Color

33.7285, 0.2118, 0.2823



Protanomaly

31.7729, 0.2376, 0.2787



Deuteranomaly

32.1765, 0.2304, 0.2633



Tritanomaly

33.6929, 0.2160, 0.2976

Monochromacy



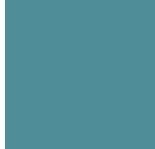
Original Color

33.7285, 0.2118, 0.2823



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

22.9790, 0.2470, 0.3082

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.7221, 0.2118, 0.2823 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, 172, 201)` looks like.

```
.text, #text, p{  
    color:rgb(1, 172, 201)  
}
```

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, 172, 201) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 172, 201) }
```

Border

The CSS property to change the border of an element to Yxy 33.7221, 0.2118, 0.2823 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, 172, 201) }
```

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

```
.border{ border-color:rgb(1, 172, 201) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 172, 201)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 172, 201); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 172, 201);  
box-shadow:4px 4px 4px 4px rgb(1, 172,  
201) }
```


Background

The CSS property to change the background color of an element to Yxy 33.7221, 0.2118, 0.2823 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 172, 201) }
```

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

```
.background{ background-color: rgb(1, 172,  
201) }
```

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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