

Converting Colors

$Y_{xy}(27.2471, 0.1354, 0.2739)$

Have a look what the booklet for
Yxy(27.2471, 0.1354, 0.2739)
contains.

Yxy(33.2493, 0.2121, 0.2836)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(33.2493, 0.2121, 0.2836)

Conversions

Conversions Part 1

Format	Color
Hex	00ABC7
RGB	0, 171, 199
RGB Percent	0%, 67%, 78%
CMY	1.0000, 0.3294, 0.2197
CMYK	1.00, 0.14, 0.00, 0.22
HSL	188°, 100%, 39%
HSV	188°, 100%, 78%
XYZ	24.8666, 33.2493, 59.1242
YIQ	123.0630, -110.9040, -27.5440

Conversions

Conversions Part 2

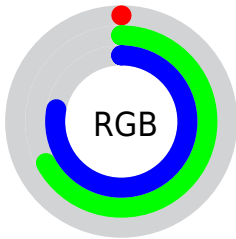
Format	Color
RYB	0, 92, 199
Decimal	43975
CIELab	64.36, -26.60, -24.61
CIELCh	64, 36.239, 222.775
Yxy	33.2493, 0.2121, 0.2836
Android (android.graphics.Color)	4278234055 (0xFF00ABC7)
YUV	123.0630, 37.4369, -107.9263
Hunter-Lab	57.6622, -23.9313, -20.4297

Details

The Yxy color **33.2493, 0.2121, 0.2836** 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 **12.9676, 0.6278, 0.3397**, and the grayscale version is **19.7318, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.9249, 0.2310, 0.2948**, and **15.0012, 0.2082, 0.2695** is the 20% darker color. If you saturate the color by 10%, you get **33.2520, 0.2121, 0.2836**, and if you desaturate by 10%, it is **34.4675, 0.2150, 0.2885**.

Distribution



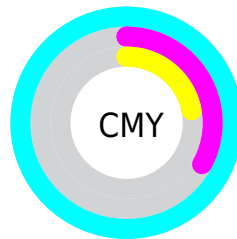
- Red (0%)
- Green (67%)
- Blue (78%)



- Red (0%)
- Yellow (36%)
- Blue (78%)



- Cyan (100%)
- Magenta (14%)
- Yellow (0%)
- Black (22%)





- Cyan (100%)
- Magenta (33%)
- Yellow (22%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2493, 0.2121, 0.2836 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 33.2493, 0.2121, 0.2836 by changing the saturation by 10% instead.

 33.2493, 0.2121,
0.2836


 33.2493, 0.2121,
0.2836


316.7716, 0.2629,
0.3089


 22.3175, 0.1995,
0.2765


 64.7646, 0.2305,
0.2934

 14.0904, 0.1836,
0.2669


 86.1168, 0.2375,
0.2969

 8.1836, 0.1628,
0.2535


 111.7113, 0.2433,
0.2998

 4.2126, 0.1350,
0.2337

 141.9325, 0.2484,
0.3022

 1.7932, 0.0973,
0.2024

 177.1647, 0.2527,
0.3043

 0.4829, 0.0000,
0.1428

217.7923, 0.2565,

 0.0000, 0.0000,

0.3060

0.0000

264.1998, 0.2599,
0.3076

■ 33.2493, 0.2121,
0.2836

■ 33.2493, 0.2121,
0.2836

■ 33.2520, 0.2121,
0.2836

■ 34.4675, 0.2150,
0.2885

■ 35.8571, 0.2195,
0.2934

■ 37.4741, 0.2258,
0.2984

■ 39.3464, 0.2340,
0.3033

■ 41.4974, 0.2440,
0.3082

■ 43.9480, 0.2556,
0.3129

■ 46.7168, 0.2686,
0.3174

■ 49.8208, 0.2827,
0.3215

■ 53.2758, 0.2975,
0.3254

Harmonies

Analogous

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



33.2493, 0.2312, 0.3359



33.2493, 0.2121, 0.2836



33.2493, 0.2167, 0.2506

Triad

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



33.2493, 0.2121, 0.2836



33.2493, 0.3487, 0.2757



33.2493, 0.3793, 0.4281

Complementary

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



33.2493, 0.2121, 0.2836



12.9676, 0.6278, 0.3397

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.



33.2493, 0.4164, 0.3998



33.2493, 0.2121, 0.2836



33.2493, 0.3997, 0.3142

Square

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



33.2493, 0.2121, 0.2836



33.2493, 0.2911, 0.2493



33.2493, 0.4250, 0.3581



33.2493, 0.3261, 0.4280

Rectangle

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



33.2493, 0.2121, 0.2836



33.2493, 0.2326, 0.2410



33.2493, 0.4250, 0.3581



33.2493, 0.3941, 0.4210

Sweetspot

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



33.2520, 0.2121, 0.2836



81.5951, 0.2680, 0.3172



40.9124, 0.2972, 0.5900



17.0080, 0.2623, 0.3153



0.0000, 0.0000, 0.0000



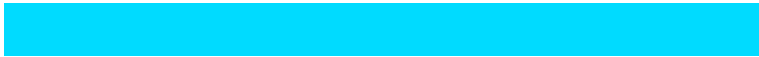
21.4041, 0.3127, 0.3290

Same Dimension

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



33.2520, 0.2121, 0.2836



57.9671, 0.2119, 0.2829



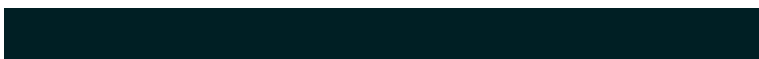
8.8819, 0.1655, 0.1159



11.8036, 0.2984, 0.3257



21.4847, 0.2123, 0.2843



1.0890, 0.2151, 0.2945

Inverse Universe

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



15.0794, 0.3601, 0.1758



26.3830, 0.3608, 0.1761



27.0649, 0.5029, 0.4389



10.7900, 0.3159, 0.3094



9.7089, 0.3595, 0.1754



0.4670, 0.3503, 0.1703

Previews

White Background



This preview shows how the Yxy color 33.2493, 0.2121, 0.2836 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 33.2493, 0.2121, 0.2836 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

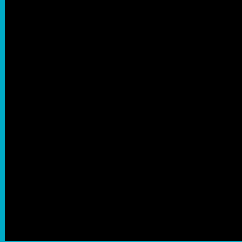
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.2493, 0.2121, 0.2836

Background



This preview shows how black text looks on a background with the Yxy color 33.2493, 0.2121, 0.2836.

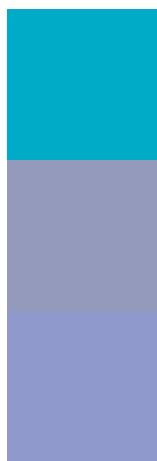


This preview shows how white text looks on a background with the Yxy color 33.2493, 0.2121, 0.2836.

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

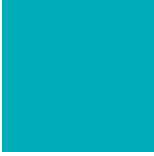
33.2493, 0.2121, 0.2836

Protanopia

32.9950, 0.2789, 0.2811

Deuteranopia

33.0236, 0.2635, 0.2584



Tritanopia

33.0502, 0.2181, 0.3053

Trichromacy



Original Color

33.2493, 0.2121, 0.2836



Protanomaly

31.2829, 0.2378, 0.2798



Deuteranomaly

31.6812, 0.2306, 0.2643



Tritanomaly

33.2666, 0.2160, 0.2974

Monochromacy



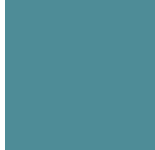
Original Color

33.2493, 0.2121, 0.2836



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

22.6102, 0.2467, 0.3080

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2493, 0.2121, 0.2836 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, 171, 199)` looks like.

```
.text, #text, p{  
    color:rgb(0, 171, 199)  
}
```

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, 171, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 171, 199) }
```

Border

The CSS property to change the border of an element to Yxy 33.2493, 0.2121, 0.2836 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, 171, 199) }
```

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

```
.border{ border-color:rgb(0, 171, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 171, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 171, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 171, 199);  
box-shadow:4px 4px 4px 4px rgb(0, 171,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2493, 0.2121, 0.2836 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 171, 199) }
```

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

```
.background{ background-color: rgb(0, 171,  
199) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor