

Converting Colors

$Y_{xy}(25.9612, 0.1101, 0.2924)$

Have a look what the booklet for
Yxy(25.9612, 0.1101, 0.2924)
contains.

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Color

Yxy(33.2228, 0.2164, 0.2990)

Conversions

Conversions Part 1

Format	Color
Hex	00ACBE
RGB	0, 172, 190
RGB Percent	0%, 67%, 75%
CMY	0.9997, 0.3255, 0.2550
CMYK	1.00, 0.09, 0.00, 0.26
HSL	186°, 100%, 37%
HSV	186°, 100%, 74%
XYZ	24.0449, 33.2228, 53.8454
YIQ	122.6240, -108.2900, -30.8660

Conversions

Conversions Part 2

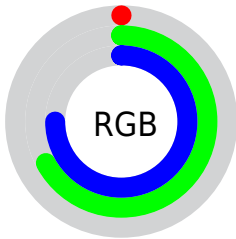
Format	Color
RYB	0, 90, 190
Decimal	44222
CIELab	64.34, -30.07, -19.64
CIELCh	64, 35.916, 213.149
Yxy	33.2228, 0.2164, 0.2990
Android (android.graphics.Color)	4278234302 (0xFF00ACBE)
YUV	122.6240, 33.2164, -107.5412
Hunter-Lab	57.6392, -26.4053, -15.0400

Details

The Yxy color **33.2228, 0.2164, 0.2990** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **11.3782, 0.6328, 0.3357**, and the grayscale version is **19.6007, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.7933, 0.2343, 0.3065**, and **14.9998, 0.2133, 0.2880** is the 20% darker color. If you saturate the color by 10%, you get **33.2207, 0.2164, 0.2990**, and if you desaturate by 10%, it is **34.0517, 0.2188, 0.3022**.

Distribution



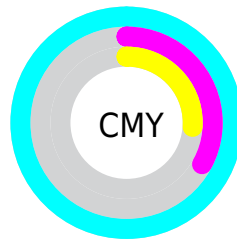
- Red (0%)
- Green (67%)
- Blue (75%)



- Red (0%)
- Yellow (35%)
- Blue (75%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (26%)





- Cyan (100%)
- Magenta (33%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.2228, 0.2164, 0.2990 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 33.2228, 0.2164, 0.2990 by changing the saturation by 10% instead.


 33.2228, 0.2164,
0.2990


 33.2228, 0.2164,
0.2990


316.6525, 0.2653,
0.3164


 22.2972, 0.2042,
0.2939


 64.7232, 0.2342,
0.3059

 14.0754, 0.1886,
0.2868


 86.0668, 0.2409,
0.3083


 8.1731, 0.1680,
0.2766


 111.6518, 0.2465,
0.3103

 4.2059, 0.1403,
0.2608

 141.8627, 0.2514,
0.3119

 1.7894, 0.1015,
0.2344

 177.0838, 0.2556,
0.3133

 0.4806, 0.0000,
0.1774

217.6996, 0.2592,

 0.0000, 0.0000,

0.3145

0.0000

264.0943, 0.2624,
0.3155

■ 33.2228, 0.2164,
0.2990

■ 33.2228, 0.2164,
0.2990

■ 33.2207, 0.2164,
0.2990

■ 34.0517, 0.2188,
0.3022

■ 35.0242, 0.2227,
0.3054

■ 36.1903, 0.2284,
0.3087

■ 37.5746, 0.2361,
0.3119

■ 39.1981, 0.2455,
0.3151

■ 41.0792, 0.2566,
0.3182

■ 43.2343, 0.2692,
0.3212

■ 45.6786, 0.2829,
0.3240

■ 48.4261, 0.2976,
0.3266

Harmonies

Analogous

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



33.2228, 0.2427, 0.3545



33.2228, 0.2164, 0.2990



33.2228, 0.2135, 0.2593

Triad

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



33.2228, 0.2164, 0.2990



33.2228, 0.3299, 0.2661



33.2228, 0.3930, 0.4206

Complementary

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



33.2228, 0.2164, 0.2990



11.3782, 0.6328, 0.3357

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.



33.2228, 0.4218, 0.3869



33.2228, 0.2164, 0.2990



33.2228, 0.3847, 0.3012

Square

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



33.2228, 0.2164, 0.2990



33.2228, 0.2746, 0.2448



33.2228, 0.4195, 0.3438



33.2228, 0.3438, 0.4310

Rectangle

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



33.2228, 0.2164, 0.2990



33.2228, 0.2244, 0.2451



33.2228, 0.4195, 0.3438



33.2228, 0.4055, 0.4112

Sweetspot

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



33.2240, 0.2164, 0.2990



78.1513, 0.2685, 0.3210



36.8536, 0.2985, 0.5946



16.7838, 0.2630, 0.3198



97.7402, 0.3127, 0.3290



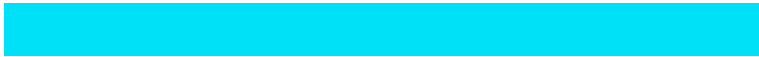
20.4902, 0.3127, 0.3290

Same Dimension

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



33.2240, 0.2164, 0.2990



60.0179, 0.2163, 0.2985



9.3383, 0.1697, 0.1310



10.6510, 0.2985, 0.3268



22.1588, 0.2165, 0.2994



0.9134, 0.2186, 0.3071

Inverse Universe

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



13.9243, 0.3463, 0.1681



25.2166, 0.3468, 0.1684



22.2805, 0.5166, 0.4280



9.6803, 0.3152, 0.3085



9.2666, 0.3459, 0.1679



0.3676, 0.3392, 0.1643

Previews

White Background



This preview shows how the Yxy color 33.2228, 0.2164, 0.2990 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 33.2228, 0.2164, 0.2990 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

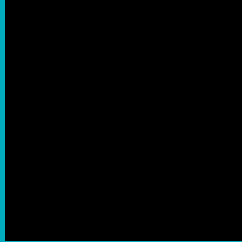
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

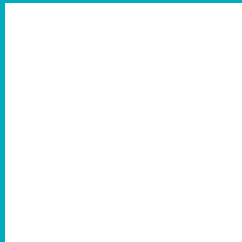
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.2228, 0.2164, 0.2990

Background



This preview shows how black text looks on a background with the Yxy color 33.2228, 0.2164, 0.2990.

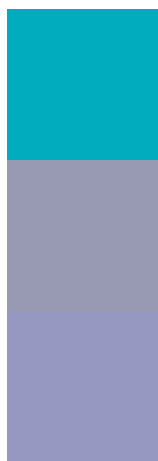


This preview shows how white text looks on a background with the Yxy color 33.2228, 0.2164, 0.2990.

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

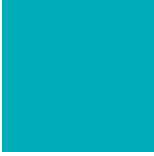
33.2228, 0.2164, 0.2990

Protanopia

32.9049, 0.2888, 0.2937

Deuteranopia

32.8355, 0.2750, 0.2692



Tritanopia

33.0502, 0.2181, 0.3053

Trichromacy



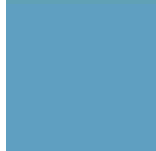
Original Color

33.2228, 0.2164, 0.2990



Protanomaly

31.3539, 0.2447, 0.2949



Deuteranomaly

31.0794, 0.2369, 0.2754



Tritanomaly

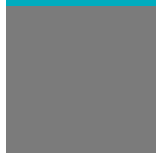
33.0929, 0.2177, 0.3037

Monochromacy



Original Color

33.2228, 0.2164, 0.2990



Achromatopsia

19.8069, 0.3127, 0.3290



Achromatomaly

22.7760, 0.2499, 0.3174

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.2228, 0.2164, 0.2990 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, 172, 190)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 190)  
}
```

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, 172, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 190) }
```

Border

The CSS property to change the border of an element to Yxy 33.2228, 0.2164, 0.2990 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, 172, 190) }
```

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

```
.border{ border-color:rgb(0, 172, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 172, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 190);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 33.2228, 0.2164, 0.2990 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 190) }
```

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

```
.background{ background-color: rgb(0, 172,  
190) }
```

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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