

Converting Colors

$Yxy(33.0929, 0.2181, 0.3052)$

Have a look what the booklet for
Yxy(33.0929, 0.2181, 0.3052)
contains.

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Color

Yxy(33.0502, 0.2181, 0.3053)

Conversions

Conversions Part 1

Format	Color
Hex	00ACBA
RGB	0, 172, 186
RGB Percent	0%, 67%, 73%
CMY	1.0000, 0.3254, 0.2705
CMYK	1.00, 0.08, 0.00, 0.27
HSL	185°, 100%, 36%
HSV	185°, 100%, 73%
XYZ	23.6104, 33.0502, 51.5943
YIQ	122.1680, -107.0060, -32.1100

Conversions

Conversions Part 2

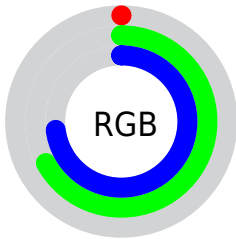
Format	Color
RYB	0, 89, 186
Decimal	44218
CIELab	64.20, -31.39, -17.64
CIELCh	64, 36.006, 209.344
Yxy	33.0502, 0.2181, 0.3053
Android (android.graphics.Color)	4278234298 (0xFF00ACBA)
YUV	122.1680, 31.4692, -107.1413
Hunter-Lab	57.4893, -27.2978, -12.9678

Details

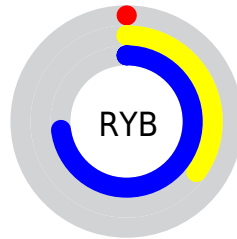
The Yxy color **33.0502, 0.2181, 0.3053** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.7544, 0.6345, 0.3344**, and the grayscale version is **19.4440, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.5503, 0.2359, 0.3113**, and **14.8871, 0.2157, 0.2965** is the 20% darker color. If you saturate the color by 10%, you get **33.0552, 0.2181, 0.3053**, and if you desaturate by 10%, it is **33.7254, 0.2204, 0.3078**.

Distribution



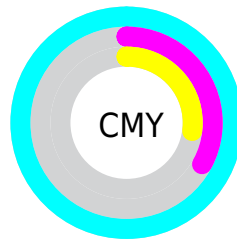
- Red (0%)
- Green (67%)
- Blue (73%)



- Red (0%)
- Yellow (35%)
- Blue (73%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (27%)




- Cyan (100%)
- Magenta (33%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.0502, 0.2181, 0.3053 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 33.0502, 0.2181, 0.3053 by changing the saturation by 10% instead.


 33.0502, 0.2181,
0.3053


 33.0502, 0.2181,
0.3053


315.8759, 0.2663,
0.3194


 22.1649, 0.2060,
0.3010


 64.4539, 0.2357,
0.3110

 13.9781, 0.1905,
0.2950


 85.7411, 0.2423,
0.3129

 8.1054, 0.1700,
0.2862

 111.2644, 0.2479,
0.3145

 4.1625, 0.1421,
0.2723

 141.4081, 0.2526,
0.3159

 1.7649, 0.1025,
0.2484

 176.5568, 0.2567,
0.3170

 0.4651, 0.0000,
0.1913

217.0947, 0.2603,

 0.0000, 0.0000,

0.3179

0.0000

263.4062, 0.2635,
0.3187

■ 33.0502, 0.2181,
0.3053

■ 33.0502, 0.2181,
0.3053

■ 33.0552, 0.2181,
0.3053

■ 33.7254, 0.2204,
0.3078

■ 34.5293, 0.2240,
0.3103

■ 35.5143, 0.2295,
0.3129

■ 36.7038, 0.2369,
0.3154

■ 38.1176, 0.2461,
0.3180

■ 39.7732, 0.2570,
0.3204

■ 41.6862, 0.2694,
0.3228

■ 43.8709, 0.2830,
0.3250

■ 46.3408, 0.2975,
0.3271

Harmonies

Analogous

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



33.0502, 0.2474, 0.3620



33.0502, 0.2181, 0.3053



33.0502, 0.2122, 0.2629

Triad

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



33.0502, 0.2181, 0.3053



33.0502, 0.3225, 0.2623



33.0502, 0.3984, 0.4176

Complementary

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



33.0502, 0.2181, 0.3053



10.7544, 0.6345, 0.3344

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.



33.0502, 0.4239, 0.3818



33.0502, 0.2181, 0.3053



33.0502, 0.3788, 0.2960

Square

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



33.0502, 0.2181, 0.3053



33.0502, 0.2682, 0.2430



33.0502, 0.4172, 0.3382



33.0502, 0.3508, 0.4319

Rectangle

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



33.0502, 0.2181, 0.3053



33.0502, 0.2212, 0.2467



33.0502, 0.4172, 0.3382



33.0502, 0.4100, 0.4073

Sweetspot

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



33.0552, 0.2181, 0.3053



75.3662, 0.2687, 0.3227



35.1496, 0.2988, 0.5958



16.2627, 0.2633, 0.3217



95.5105, 0.3127, 0.3290



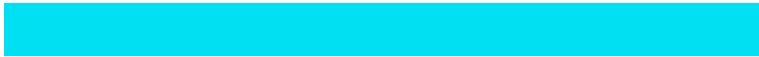
19.5994, 0.3127, 0.3290

Same Dimension

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



33.0552, 0.2181, 0.3053



59.7477, 0.2180, 0.3049



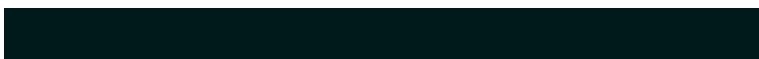
9.3718, 0.1712, 0.1362



10.0918, 0.2985, 0.3272



22.2844, 0.2182, 0.3056



0.8202, 0.2200, 0.3121

Inverse Universe

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



13.4194, 0.3408, 0.1651



24.3044, 0.3411, 0.1653



20.6263, 0.5213, 0.4243



9.1508, 0.3149, 0.3081



9.0320, 0.3405, 0.1649



0.3219, 0.3349, 0.1619

Previews

White Background



This preview shows how the Yxy color 33.0502, 0.2181, 0.3053 looks on a white background.

Color Contrast Check

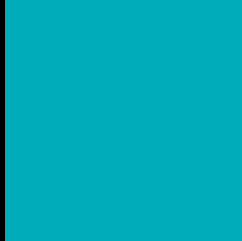
Large Text (above 18pt) WCAG AA × Fail

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 33.0502, 0.2181, 0.3053 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

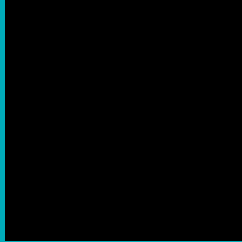
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

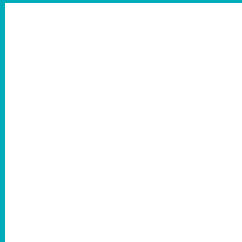
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.0502, 0.2181, 0.3053

Background



This preview shows how black text looks on a background with the Yxy color 33.0502, 0.2181, 0.3053.



This preview shows how white text looks on a background with the Yxy color 33.0502, 0.2181, 0.3053.

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

33.0502, 0.2181, 0.3053

Protanopia

32.5139, 0.2930, 0.2979

Deuteranopia

32.4741, 0.2781, 0.2717



Tritanopia

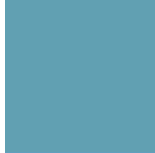
33.0567, 0.2182, 0.3053

Trichromacy



Original Color

33.0502, 0.2181, 0.3053



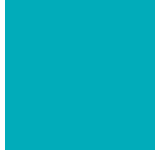
Protanomaly

30.8974, 0.2475, 0.2995



Deuteranomaly

30.9572, 0.2399, 0.2812



Tritanomaly

33.0567, 0.2182, 0.3053

Monochromacy



Original Color

33.0502, 0.2181, 0.3053



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

22.4202, 0.2510, 0.3192

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.0502, 0.2181, 0.3053 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, 186)` looks like.

```
.text, #text, p{  
    color:rgb(0, 172, 186)  
}
```

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, 186) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 186) }
```

Border

The CSS property to change the border of an element to Yxy 33.0502, 0.2181, 0.3053 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, 186) }
```

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

```
.border{ border-color:rgb(0, 172, 186) }
```

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, 186)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 186); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 186);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
186) }
```


Background

The CSS property to change the background color of an element to Yxy 33.0502, 0.2181, 0.3053 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, 186) }
```

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

```
.background{ background-color: rgb(0, 172,  
186) }
```

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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