

Converting Colors

$Y_{xy}(31.5831, 0.2182, 0.3054)$

Have a look what the booklet for
Yxy(31.5831, 0.2182, 0.3054)
contains.

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Color

Yxy(31.7533, 0.2185, 0.3066)

Conversions

Conversions Part 1

Format	Color
Hex	00A9B6
RGB	0, 169, 182
RGB Percent	0%, 66%, 71%
CMY	1.0000, 0.3372, 0.2863
CMYK	1.00, 0.07, 0.00, 0.29
HSL	184°, 100%, 36%
HSV	184°, 100%, 71%
XYZ	22.6291, 31.7533, 49.1834
YIQ	119.9510, -104.8970, -31.7850

Conversions

Conversions Part 2

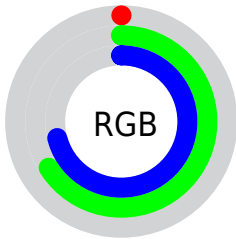
Format	Color
RYB	0, 88, 182
Decimal	43446
CIELab	63.14, -31.22, -17.01
CIELCh	63, 35.553, 208.584
Yxy	31.7533, 0.2185, 0.3066
Android (android.graphics.Color)	4278233526 (0xFF00A9B6)
YUV	119.9510, 30.5902, -105.1970
Hunter-Lab	56.3501, -26.9303, -12.3044

Details

The Yxy color **31.7533, 0.2185, 0.3066** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.2305, 0.6348, 0.3342**, and the grayscale version is **18.6920, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.6201, 0.2364, 0.3123**, and **14.0758, 0.2161, 0.2980** is the 20% darker color. If you saturate the color by 10%, you get **31.7549, 0.2185, 0.3066**, and if you desaturate by 10%, it is **32.3708, 0.2207, 0.3090**.

Distribution



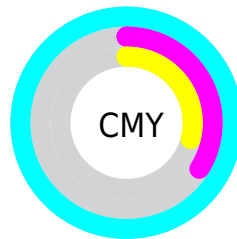
- Red (0%)
- Green (66%)
- Blue (71%)



- Red (0%)
- Yellow (35%)
- Blue (71%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (29%)





- Cyan (100%)
- Magenta (34%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 31.7533, 0.2185, 0.3066 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 31.7533, 0.2185, 0.3066 by changing the saturation by 10% instead.

 31.7533, 0.2185,
0.3066


 31.7533, 0.2185,
0.3066


 309.9939, 0.2668,
0.3201


 21.1731, 0.2062,
0.3024


 62.4241, 0.2362,
0.3121

 13.2506, 0.1905,
0.2966


 83.2836, 0.2429,
0.3140


 7.6014, 0.1696,
0.2878


 108.3383, 0.2484,
0.3155

 3.8409, 0.1409,
0.2738

 137.9726, 0.2532,
0.3167

 1.5850, 0.0978,
0.2498

 172.5709, 0.2573,
0.3178

 0.3474, 0.0000,
0.1695

 212.5177, 0.2609,

 0.0000, 0.0000,

0.3187

0.0000

258.1972, 0.2640,
0.3194

■ 31.7533, 0.2185,
0.3066

■ 31.7533, 0.2185,
0.3066

■ 31.7549, 0.2185,
0.3066

■ 32.3708, 0.2207,
0.3090

■ 33.1127, 0.2243,
0.3113

■ 34.0262, 0.2298,
0.3138

■ 35.1336, 0.2371,
0.3162

■ 36.4536, 0.2463,
0.3186

■ 38.0027, 0.2571,
0.3209

■ 39.7958, 0.2695,
0.3231

■ 41.8464, 0.2831,
0.3252

■ 44.1671, 0.2976,
0.3272

Harmonies

Analogous

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



31.7533, 0.2483, 0.3635



31.7533, 0.2185, 0.3066



31.7533, 0.2119, 0.2637

Triad

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



31.7533, 0.2185, 0.3066



31.7533, 0.3211, 0.2616



31.7533, 0.3994, 0.4170

Complementary

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



31.7533, 0.2185, 0.3066



10.2305, 0.6348, 0.3342

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.



31.7533, 0.4242, 0.3808



31.7533, 0.2185, 0.3066



31.7533, 0.3775, 0.2950

Square

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



31.7533, 0.2185, 0.3066



31.7533, 0.2669, 0.2427



31.7533, 0.4167, 0.3371



31.7533, 0.3522, 0.4320

Rectangle

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



31.7533, 0.2185, 0.3066



31.7533, 0.2206, 0.2471



31.7533, 0.4167, 0.3371



31.7533, 0.4108, 0.4065

Sweetspot

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



31.7549, 0.2185, 0.3066



71.9868, 0.2688, 0.3230



33.4765, 0.2988, 0.5957



15.5876, 0.2635, 0.3221



93.3107, 0.3127, 0.3290



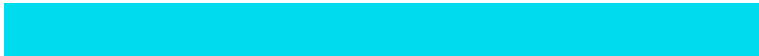
18.7317, 0.3127, 0.3290

Same Dimension

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



31.7549, 0.2185, 0.3066



57.4340, 0.2184, 0.3062



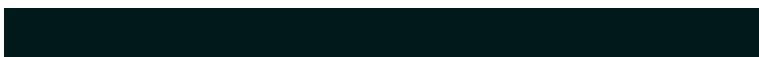
8.9486, 0.1713, 0.1365



10.0980, 0.2985, 0.3273



22.4701, 0.2186, 0.3069



0.8251, 0.2203, 0.3130

Inverse Universe

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



12.8080, 0.3396, 0.1645



23.2102, 0.3400, 0.1647



19.6686, 0.5211, 0.4244



9.1514, 0.3148, 0.3080



9.0507, 0.3394, 0.1643



0.3224, 0.3342, 0.1614

Previews

White Background



This preview shows how the Yxy color 31.7533, 0.2185, 0.3066 looks on a white background.

Color Contrast Check

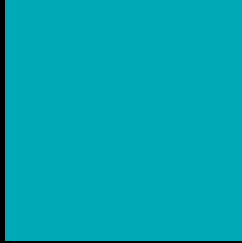
Large Text (above 18pt) WCAG AA × Fail

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 31.7533, 0.2185, 0.3066 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

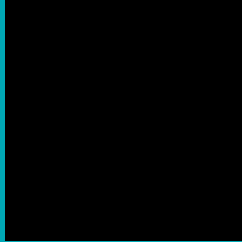
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

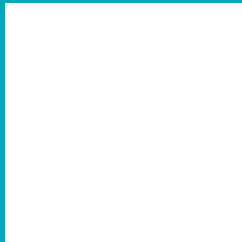
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.7533, 0.2185, 0.3066

Background



This preview shows how black text looks on a background with the Yxy color 31.7533, 0.2185, 0.3066.

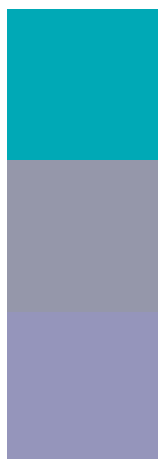


This preview shows how white text looks on a background with the Yxy color 31.7533, 0.2185, 0.3066.

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

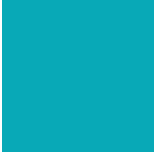
31.7533, 0.2185, 0.3066

Protanopia

31.4251, 0.2936, 0.3004

Deuteranopia

31.4723, 0.2793, 0.2737



Tritanopia

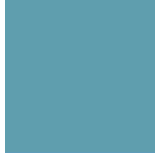
31.8465, 0.2187, 0.3050

Trichromacy



Original Color

31.7533, 0.2185, 0.3066



Protanomaly

29.9426, 0.2482, 0.3023



Deuteranomaly

29.7126, 0.2407, 0.2820



Tritanomaly

31.8271, 0.2184, 0.3050

Monochromacy



Original Color

31.7533, 0.2185, 0.3066



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

21.6966, 0.2504, 0.3191

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.7533, 0.2185, 0.3066 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, 169, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 182)  
}
```

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, 169, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 182) }
```

Border

The CSS property to change the border of an element to Yxy 31.7533, 0.2185, 0.3066 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, 169, 182) }
```

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

```
.border{ border-color:rgb(0, 169, 182) }
```

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

Here you see how a box with a 4 pixel rgb(0, 169, 182) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 31.7533, 0.2185, 0.3066 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 182) }
```

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

```
.background{ background-color: rgb(0, 169,  
182) }
```

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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