

Converting Colors

$Y_{xy}(28.5772, 0.1836, 0.3003)$

Have a look what the booklet for
Yxy(28.5772, 0.1836, 0.3003)
contains.

Yxy(31.0148, 0.2175, 0.3030)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(31.0148, 0.2175, 0.3030)

Conversions

Conversions Part 1

Format	Color
Hex	00A7B6
RGB	0, 167, 182
RGB Percent	0%, 65%, 71%
CMY	1.0000, 0.3451, 0.2862
CMYK	1.00, 0.08, 0.00, 0.29
HSL	185°, 100%, 36%
HSV	185°, 100%, 71%
XYZ	22.2631, 31.0148, 49.0812
YIQ	118.7770, -104.3470, -30.7390

Conversions

Conversions Part 2

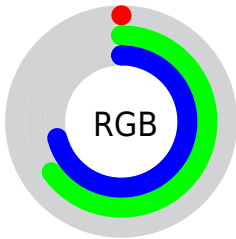
Format	Color
RYB	0, 87, 182
Decimal	42934
CIELab	62.52, -30.23, -17.97
CIELCh	63, 35.172, 210.725
Yxy	31.0148, 0.2175, 0.3030
Android (android.graphics.Color)	4278233014 (0xFF00A7B6)
YUV	118.7770, 31.1689, -104.1674
Hunter-Lab	55.6909, -26.1017, -13.2694

Details

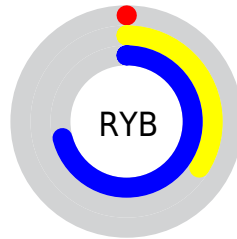
The Yxy color **31.0148, 0.2175, 0.3030** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.2902, 0.6338, 0.3350**, and the grayscale version is **18.2992, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.4898, 0.2355, 0.3097**, and **13.6196, 0.2148, 0.2931** is the 20% darker color. If you saturate the color by 10%, you get **31.0164, 0.2175, 0.3030**, and if you desaturate by 10%, it is **31.7005, 0.2199, 0.3057**.

Distribution



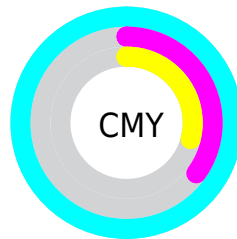
- Red (0%)
- Green (65%)
- Blue (71%)



- Red (0%)
- Yellow (34%)
- Blue (71%)



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (29%)





- Cyan (100%)
- Magenta (35%)
- Yellow (29%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 31.0148, 0.2175, 0.3030 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 31.0148, 0.2175, 0.3030 by changing the saturation by 10% instead.


 31.0148, 0.2175,
0.3030


 31.0148, 0.2175,
0.3030


 306.6065, 0.2664,
0.3184

 20.6101, 0.2050,
0.2983


 61.2634, 0.2355,
0.3092

 12.8393, 0.1890,
0.2917


 81.8761, 0.2422,
0.3114

 7.3180, 0.1677,
0.2819


 106.6602, 0.2478,
0.3131

 3.6618, 0.1386,
0.2664

 136.0002, 0.2527,
0.3146

 1.4862, 0.0937,
0.2403

 170.2804, 0.2568,
0.3158

 0.2790, 0.0000,
0.1416

 209.8853, 0.2604,

 0.0000, 0.0000,

0.3168

0.0000

255.1992, 0.2636,
0.3177

■ 31.0148, 0.2175,
0.3030

■ 31.0148, 0.2175,
0.3030

■ 31.0164, 0.2175,
0.3030

■ 31.7005, 0.2199,
0.3057

■ 32.5124, 0.2236,
0.3085

■ 33.4977, 0.2292,
0.3113

■ 34.6785, 0.2367,
0.3141

■ 36.0736, 0.2460,
0.3169

■ 37.6996, 0.2569,
0.3196

■ 39.5713, 0.2694,
0.3222

■ 41.7023, 0.2830,
0.3246

■ 44.1053, 0.2976,
0.3269

Harmonies

Analogous

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



31.0148, 0.2457, 0.3593



31.0148, 0.2175, 0.3030



31.0148, 0.2126, 0.2616

Triad

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



31.0148, 0.2175, 0.3030



31.0148, 0.3252, 0.2637



31.0148, 0.3964, 0.4187

Complementary

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



31.0148, 0.2175, 0.3030



10.2902, 0.6338, 0.3350

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.



31.0148, 0.4231, 0.3837



31.0148, 0.2175, 0.3030



31.0148, 0.3809, 0.2979

Square

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



31.0148, 0.2175, 0.3030



31.0148, 0.2705, 0.2437



31.0148, 0.4181, 0.3403



31.0148, 0.3483, 0.4316

Rectangle

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



31.0148, 0.2175, 0.3030



31.0148, 0.2224, 0.2461



31.0148, 0.4181, 0.3403



31.0148, 0.4083, 0.4087

Sweetspot

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



31.0164, 0.2175, 0.3030



71.5386, 0.2687, 0.3221



33.4924, 0.2988, 0.5957



15.4755, 0.2634, 0.3210



93.3107, 0.3127, 0.3290



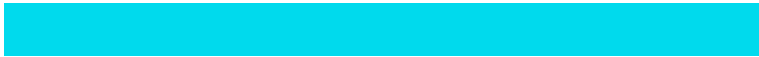
18.7317, 0.3127, 0.3290

Same Dimension

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



31.0164, 0.2175, 0.3030



56.0477, 0.2174, 0.3026



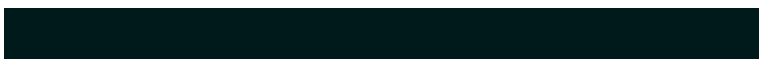
8.9526, 0.1713, 0.1365



10.0804, 0.2985, 0.3271



21.9439, 0.2176, 0.3033



0.8112, 0.2196, 0.3104

Inverse Universe

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



12.7380, 0.3428, 0.1662



23.0703, 0.3432, 0.1664



19.6776, 0.5211, 0.4244



9.1496, 0.3150, 0.3083



8.9976, 0.3425, 0.1660



0.3210, 0.3363, 0.1626

Previews

White Background



This preview shows how the Yxy color 31.0148, 0.2175, 0.3030 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 31.0148, 0.2175, 0.3030 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

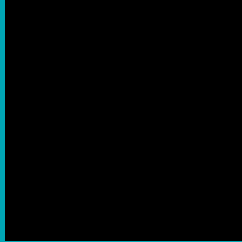
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.0148, 0.2175, 0.3030

Background



This preview shows how black text looks on a background with the Yxy color 31.0148, 0.2175, 0.3030.

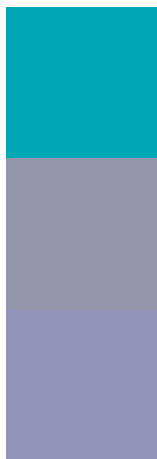


This preview shows how white text looks on a background with the Yxy color 31.0148, 0.2175, 0.3030.

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

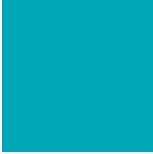
31.0148, 0.2175, 0.3030

Protanopia

30.6002, 0.2916, 0.2971

Deuteranopia

30.5236, 0.2772, 0.2716



Tritanopia

30.9736, 0.2180, 0.3047

Trichromacy



Original Color

31.0148, 0.2175, 0.3030

Protanomaly

29.2126, 0.2470, 0.2988

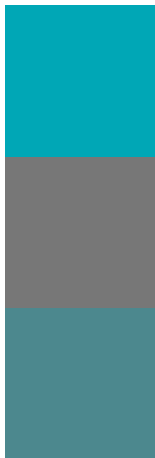
Deuteranomaly

28.9411, 0.2388, 0.2784

Tritanomaly

30.9736, 0.2180, 0.3047

Monochromacy



Original Color

31.0148, 0.2175, 0.3030

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

21.0978, 0.2504, 0.3170

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.0148, 0.2175, 0.3030 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, 167, 182)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 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, 167, 182) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 182) }
```

Border

The CSS property to change the border of an element to Yxy 31.0148, 0.2175, 0.3030 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, 167, 182) }
```

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

```
.border{ border-color:rgb(0, 167, 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, 167, 182)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 182); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 182);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
182) }
```


Background

The CSS property to change the background color of an element to Yxy 31.0148, 0.2175, 0.3030 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 182) }
```

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

```
.background{ background-color: rgb(0, 167,  
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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