

Converting Colors

$Y_{xy}(29.2481, 0.2019, 0.3054)$

Have a look what the booklet for
Yxy(29.2481, 0.2019, 0.3054)
contains.

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Color

Yxy(30.5271, 0.2184, 0.3062)

Conversions

Conversions Part 1

Format	Color
Hex	00A6B3
RGB	0, 166, 179
RGB Percent	0%, 65%, 70%
CMY	0.9997, 0.3490, 0.2980
CMYK	1.00, 0.07, 0.00, 0.30
HSL	184°, 100%, 35%
HSV	184°, 100%, 70%
XYZ	21.7737, 30.5271, 47.3958
YIQ	117.8480, -103.1090, -31.1490

Conversions

Conversions Part 2

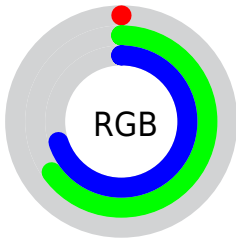
Format	Color
RYB	0, 86, 179
Decimal	42675
CIELab	62.11, -30.73, -16.91
CIELCh	62, 35.071, 208.822
Yxy	30.5271, 0.2184, 0.3062
Android (android.graphics.Color)	4278232755 (0xFF00A6B3)
YUV	117.8480, 30.1479, -103.3527
Hunter-Lab	55.2513, -26.3456, -12.1843

Details

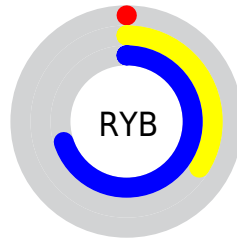
The Yxy color **30.5271, 0.2184, 0.3062** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.8746, 0.6345, 0.3344**, and the grayscale version is **18.0024, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7821, 0.2365, 0.3121**, and **13.3166, 0.2159, 0.2973** is the 20% darker color. If you saturate the color by 10%, you get **30.5258, 0.2184, 0.3062**, and if you desaturate by 10%, it is **31.1316, 0.2207, 0.3086**.

Distribution



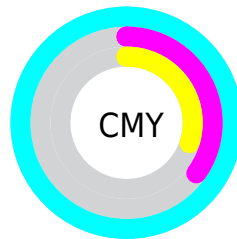
- Red (0%)
- Green (65%)
- Blue (70%)



- Red (0%)
- Yellow (34%)
- Blue (70%)



- Cyan (100%)
- Magenta (7%)
- Yellow (0%)
- Black (30%)





- Cyan (100%)
- Magenta (35%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5271, 0.2184, 0.3062 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 30.5271, 0.2184, 0.3062 by changing the saturation by 10% instead.


 30.5271, 0.2184,
0.3062


 30.5271, 0.2184,
0.3062


 304.3537, 0.2670,
0.3200

 20.2390, 0.2060,
0.3019


 60.4948, 0.2363,
0.3118


 12.5689, 0.1899,
0.2958


 80.9431, 0.2430,
0.3137

 7.1324, 0.1685,
0.2868


 105.5470, 0.2486,
0.3153

 3.5450, 0.1389,
0.2721

 134.6909, 0.2534,
0.3166

 1.4225, 0.0911,
0.2475

 168.7591, 0.2575,
0.3176

 0.2332, 0.0000,
0.1332

 208.1361, 0.2611,

 0.0000, 0.0000,

0.3185

0.0000

253.2061, 0.2643,
0.3193

■ 30.5271, 0.2184,
0.3062

■ 30.5271, 0.2184,
0.3062

■ 30.5258, 0.2184,
0.3062

■ 31.1316, 0.2207,
0.3086

■ 31.8563, 0.2243,
0.3110

■ 32.7466, 0.2298,
0.3135

■ 33.8238, 0.2371,
0.3160

■ 35.1057, 0.2463,
0.3184

■ 36.6083, 0.2572,
0.3207

■ 38.3458, 0.2696,
0.3230

■ 40.3312, 0.2831,
0.3252

■ 42.5766, 0.2976,
0.3272

Harmonies

Analogous

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



30.5271, 0.2481, 0.3630



30.5271, 0.2184, 0.3062



30.5271, 0.2120, 0.2635

Triad

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



30.5271, 0.2184, 0.3062



30.5271, 0.3215, 0.2618



30.5271, 0.3991, 0.4172

Complementary

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



30.5271, 0.2184, 0.3062



9.8746, 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.



30.5271, 0.4241, 0.3811



30.5271, 0.2184, 0.3062



30.5271, 0.3779, 0.2953

Square

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



30.5271, 0.2184, 0.3062



30.5271, 0.2674, 0.2428



30.5271, 0.4168, 0.3375



30.5271, 0.3518, 0.4320

Rectangle

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



30.5271, 0.2184, 0.3062



30.5271, 0.2208, 0.2470



30.5271, 0.4168, 0.3375



30.5271, 0.4105, 0.4067

Sweetspot

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



30.5282, 0.2184, 0.3062



68.4887, 0.2689, 0.3229



32.2701, 0.2988, 0.5956



14.8769, 0.2636, 0.3220



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



30.5282, 0.2184, 0.3062



54.5232, 0.2183, 0.3058



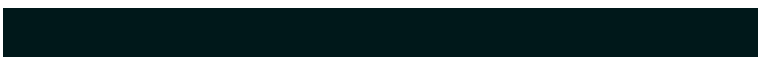
8.6490, 0.1713, 0.1368



9.5237, 0.2986, 0.3273



21.6099, 0.2185, 0.3065



0.7112, 0.2203, 0.3132

Inverse Universe

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



12.3393, 0.3400, 0.1647



22.0799, 0.3403, 0.1649



18.9833, 0.5209, 0.4246



8.6359, 0.3148, 0.3082



8.7217, 0.3398, 0.1645



0.2776, 0.3340, 0.1613

Previews

White Background



This preview shows how the Yxy color 30.5271, 0.2184, 0.3062 looks on a white background.

Color Contrast Check

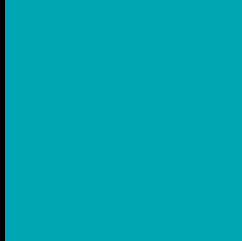
Large Text (above 18pt) WCAG AA × Fail

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 30.5271, 0.2184, 0.3062 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

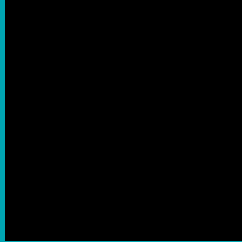
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

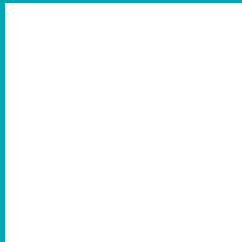
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.5271, 0.2184, 0.3062

Background



This preview shows how black text looks on a background with the Yxy color 30.5271, 0.2184, 0.3062.

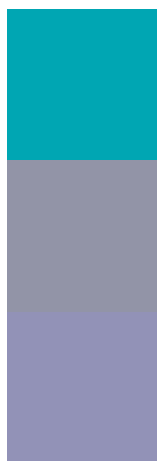


This preview shows how white text looks on a background with the Yxy color 30.5271, 0.2184, 0.3062.

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

30.5271, 0.2184, 0.3062

Protanopia

30.0808, 0.2933, 0.2999

Deuteranopia

30.0877, 0.2795, 0.2741



Tritanopia

30.5723, 0.2190, 0.3062

Trichromacy



Original Color

30.5271, 0.2184, 0.3062



Protanomaly

28.7101, 0.2480, 0.3018



Deuteranomaly

28.4870, 0.2403, 0.2812



Tritanomaly

30.5529, 0.2187, 0.3062

Monochromacy



Original Color

30.5271, 0.2184, 0.3062



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

20.7173, 0.2509, 0.3189

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5271, 0.2184, 0.3062 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, 166, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 179)  
}
```

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, 166, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 179) }
```

Border

The CSS property to change the border of an element to Yxy 30.5271, 0.2184, 0.3062 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, 166, 179) }
```

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

```
.border{ border-color:rgb(0, 166, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 179);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5271, 0.2184, 0.3062 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 179) }
```

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

```
.background{ background-color: rgb(0, 166,  
179) }
```

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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