

Converting Colors

$Yxy(29.6569, 0.2174, 0.3028)$

Have a look what the booklet for
Yxy(29.6569, 0.2174, 0.3028)
contains.

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Color

$\text{Yxy}(29.8056, 0.2174, 0.3026)$

Conversions

Conversions Part 1

Format	Color
Hex	00A4B3
RGB	0, 164, 179
RGB Percent	0%, 64%, 70%
CMY	0.9997, 0.3569, 0.2980
CMYK	1.00, 0.08, 0.00, 0.30
HSL	185°, 100%, 35%
HSV	185°, 100%, 70%
XYZ	21.4135, 29.8056, 47.2792
YIQ	116.6740, -102.5590, -30.1030

Conversions

Conversions Part 2

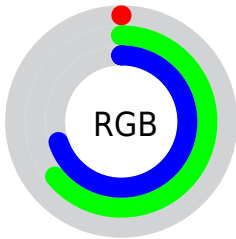
Format	Color
RYB	0, 86, 179
Decimal	42163
CIELab	61.49, -29.75, -17.85
CIELCh	61, 34.695, 210.968
Yxy	29.8056, 0.2174, 0.3026
Android (android.graphics.Color)	4278232243 (0xFF00A4B3)
YUV	116.6740, 30.7267, -102.3231
Hunter-Lab	54.5945, -25.5275, -13.1294

Details

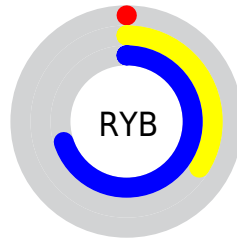
The Yxy color **29.8056, 0.2174, 0.3026** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.9296, 0.6334, 0.3352**, and the grayscale version is **17.6175, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.1480, 0.2352, 0.3082**, and **13.0947, 0.2152, 0.2948** is the 20% darker color. If you saturate the color by 10%, you get **29.8041, 0.2174, 0.3026**, and if you desaturate by 10%, it is **30.4754, 0.2198, 0.3054**.

Distribution



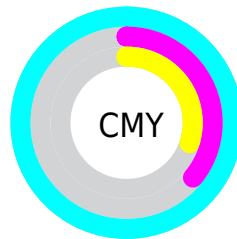
- Red (0%)
- Green (64%)
- Blue (70%)



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



- Cyan (100%)
- Magenta (8%)
- Yellow (0%)
- Black (30%)





- Cyan (100%)
- Magenta (36%)
- Yellow (30%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 29.8056, 0.2174, 0.3026 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 29.8056, 0.2174, 0.3026 by changing the saturation by 10% instead.


 29.8056, 0.2174,
0.3026


 29.8056, 0.2174,
0.3026


 300.9973, 0.2667,
0.3183


 19.6911, 0.2048,
0.2978


 59.3546, 0.2356,
0.3090


 12.1707, 0.1884,
0.2909


 79.5579, 0.2424,
0.3112


 6.8600, 0.1666,
0.2808


 103.8929, 0.2480,
0.3129

 3.3747, 0.1366,
0.2646

 132.7440, 0.2529,
0.3144

 1.3304, 0.0863,
0.2379

 166.4956, 0.2571,
0.3156

 0.1645, 0.0000,
0.0985

 205.5320, 0.2607,

 0.0000, 0.0000,

0.3167

0.0000

250.2378, 0.2639,
0.3176

■ 29.8056, 0.2174,
0.3026

■ 29.8056, 0.2174,
0.3026

■ 29.8041, 0.2174,
0.3026

■ 30.4754, 0.2198,
0.3054

■ 31.2670, 0.2236,
0.3082

■ 32.2258, 0.2292,
0.3111

■ 33.3730, 0.2367,
0.3139

■ 34.7267, 0.2460,
0.3167

■ 36.3026, 0.2570,
0.3195

■ 38.1150, 0.2695,
0.3221

■ 40.1770, 0.2831,
0.3246

■ 42.5007, 0.2976,
0.3269

Harmonies

Analogous

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



29.8056, 0.2454, 0.3588



29.8056, 0.2174, 0.3026



29.8056, 0.2127, 0.2614

Triad

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



29.8056, 0.2174, 0.3026



29.8056, 0.3257, 0.2640



29.8056, 0.3960, 0.4189

Complementary

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



29.8056, 0.2174, 0.3026



9.9296, 0.6334, 0.3352

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.



29.8056, 0.4230, 0.3840



29.8056, 0.2174, 0.3026



29.8056, 0.3813, 0.2982

Square

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



29.8056, 0.2174, 0.3026



29.8056, 0.2709, 0.2438



29.8056, 0.4182, 0.3406



29.8056, 0.3478, 0.4315

Rectangle

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



29.8056, 0.2174, 0.3026



29.8056, 0.2226, 0.2460



29.8056, 0.4182, 0.3406



29.8056, 0.4080, 0.4090

Sweetspot

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



29.8067, 0.2174, 0.3026



68.0625, 0.2688, 0.3220



32.2808, 0.2984, 0.5943



14.7700, 0.2634, 0.3209



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.



29.8067, 0.2174, 0.3026



53.2066, 0.2173, 0.3021



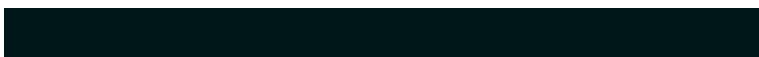
8.2379, 0.1699, 0.1317



9.5071, 0.2986, 0.3270



21.1037, 0.2175, 0.3029



0.6996, 0.2197, 0.3107

Inverse Universe

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



12.2673, 0.3431, 0.1664



21.9470, 0.3435, 0.1666



19.5779, 0.5161, 0.4283



8.6342, 0.3150, 0.3084



8.6706, 0.3429, 0.1662



0.2764, 0.3361, 0.1625

Previews

White Background



This preview shows how the Yxy color 29.8056, 0.2174, 0.3026 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 29.8056, 0.2174, 0.3026 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

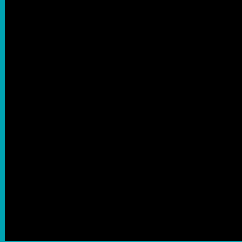
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.8056, 0.2174, 0.3026

Background



This preview shows how black text looks on a background with the Yxy color 29.8056, 0.2174, 0.3026.



This preview shows how white text looks on a background with the Yxy color 29.8056, 0.2174, 0.3026.

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

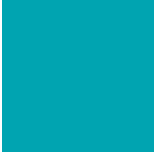
29.8056, 0.2174, 0.3026

Protanopia

29.2771, 0.2913, 0.2965

Deuteranopia

29.5990, 0.2776, 0.2723



Tritanopia

29.7252, 0.2183, 0.3060

Trichromacy



Original Color

29.8056, 0.2174, 0.3026

Protanomaly

27.9981, 0.2467, 0.2983

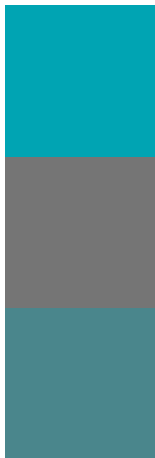
Deuteranomaly

28.1092, 0.2394, 0.2794

Tritanomaly

29.7653, 0.2179, 0.3043

Monochromacy



Original Color

29.8056, 0.2174, 0.3026

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

20.3995, 0.2498, 0.3168

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.8056, 0.2174, 0.3026 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, 164, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 164, 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, 164, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 164, 179) }
```

Border

The CSS property to change the border of an element to Yxy 29.8056, 0.2174, 0.3026 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, 164, 179) }
```

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

```
.border{ border-color:rgb(0, 164, 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, 164, 179) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 164, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 164, 179);  
box-shadow:4px 4px 4px 4px rgb(0, 164,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 29.8056, 0.2174, 0.3026 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 164, 179) }
```

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

```
.background{ background-color: rgb(0, 164,  
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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