

Converting Colors

$Y_{xy}(31.0959, 0.2194, 0.3099)$

Have a look what the booklet for
Yxy(31.0959, 0.2194, 0.3099)
contains.

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Color

Yxy(31.2599, 0.2194, 0.3098)

Conversions

Conversions Part 1

Format	Color
Hex	00A8B3
RGB	0, 168, 179
RGB Percent	0%, 66%, 70%
CMY	0.9997, 0.3412, 0.2981
CMYK	1.00, 0.06, 0.00, 0.30
HSL	184°, 100%, 35%
HSV	184°, 100%, 70%
XYZ	22.1382, 31.2599, 47.5054
YIQ	119.0220, -103.6590, -32.1950

Conversions

Conversions Part 2

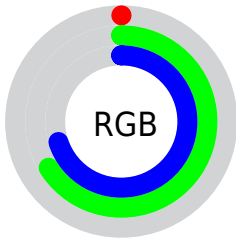
Format	Color
RYB	0, 87, 179
Decimal	43187
CIELab	62.73, -31.70, -15.95
CIELCh	63, 35.490, 206.716
Yxy	31.2599, 0.2194, 0.3098
Android (android.graphics.Color)	4278233267 (0xFF00A8B3)
YUV	119.0220, 29.5692, -104.3823
Hunter-Lab	55.9106, -27.1650, -11.2394

Details

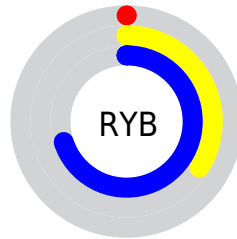
The Yxy color **31.2599, 0.2194, 0.3098** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.8225, 0.6354, 0.3336**, and the grayscale version is **18.3918, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.8509, 0.2370, 0.3147**, and **13.7678, 0.2173, 0.3023** is the 20% darker color. If you saturate the color by 10%, you get **31.2589, 0.2194, 0.3098**, and if you desaturate by 10%, it is **31.7962, 0.2215, 0.3118**.

Distribution



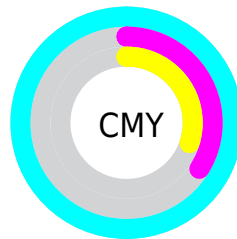
- Red (0%)
- Green (66%)
- Blue (70%)



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



- Cyan (100%)
- Magenta (6%)
- Yellow (0%)
- Black (30%)





- Cyan (100%)
- Magenta (34%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2599, 0.2194, 0.3098 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 31.2599, 0.2194, 0.3098 by changing the saturation by 10% instead.

 31.2599, 0.2194,
0.3098


 31.2599, 0.2194,
0.3098


 307.7339, 0.2674,
0.3216


 20.7968, 0.2071,
0.3061


 61.6490, 0.2371,
0.3147


 12.9756, 0.1913,
0.3007


 82.3439, 0.2437,
0.3163

 7.4117, 0.1703,
0.2927


 107.2181, 0.2492,
0.3176

 3.7209, 0.1413,
0.2796

 136.6561, 0.2539,
0.3187

 1.5187, 0.0957,
0.2572

 171.0423, 0.2580,
0.3196

 0.3018, 0.0000,
0.1649

 210.7611, 0.2615,

 0.0000, 0.0000,

0.3204

0.0000

256.1968, 0.2647,
0.3210

■ 31.2599, 0.2194,
0.3098

■ 31.2599, 0.2194,
0.3098

■ 31.2589, 0.2194,
0.3098

■ 31.7962, 0.2215,
0.3118

■ 32.4514, 0.2251,
0.3138

■ 33.2707, 0.2304,
0.3159

■ 34.2755, 0.2376,
0.3180

■ 35.4835, 0.2466,
0.3200

■ 36.9108, 0.2574,
0.3220

■ 38.5715, 0.2697,
0.3239

■ 40.4787, 0.2832,
0.3257

■ 42.6444, 0.2976,
0.3274

Harmonies

Analogous

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



31.2599, 0.2507, 0.3672



31.2599, 0.2194, 0.3098



31.2599, 0.2114, 0.2655

Triad

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



31.2599, 0.2194, 0.3098



31.2599, 0.3174, 0.2597



31.2599, 0.4020, 0.4154

Complementary

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



31.2599, 0.2194, 0.3098



9.8225, 0.6354, 0.3336

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.



31.2599, 0.4251, 0.3783



31.2599, 0.2194, 0.3098



31.2599, 0.3745, 0.2925

Square

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



31.2599, 0.2194, 0.3098



31.2599, 0.2638, 0.2419



31.2599, 0.4155, 0.3344



31.2599, 0.3557, 0.4324

Rectangle

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



31.2599, 0.2194, 0.3098



31.2599, 0.2191, 0.2479



31.2599, 0.4155, 0.3344



31.2599, 0.4129, 0.4046

Sweetspot

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



31.2610, 0.2194, 0.3098



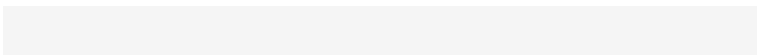
68.9206, 0.2690, 0.3238



32.2538, 0.2991, 0.5967



14.9853, 0.2637, 0.3230



91.1408, 0.3127, 0.3290



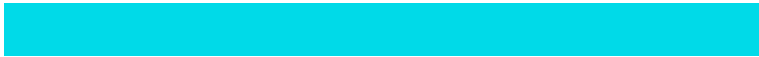
17.8868, 0.3127, 0.3290

Same Dimension

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



31.2610, 0.2194, 0.3098



55.8728, 0.2193, 0.3095



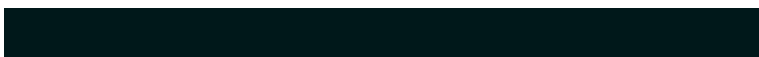
9.0776, 0.1728, 0.1420



9.5404, 0.2986, 0.3275



22.1286, 0.2195, 0.3100



0.7230, 0.2210, 0.3157

Inverse Universe

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



12.4106, 0.3369, 0.1630



22.2161, 0.3372, 0.1631



18.4062, 0.5257, 0.4207



8.6375, 0.3147, 0.3079



8.7740, 0.3367, 0.1628



0.2788, 0.3319, 0.1602

Previews

White Background



This preview shows how the Yxy color 31.2599, 0.2194, 0.3098 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 31.2599, 0.2194, 0.3098 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

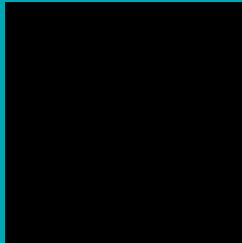
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

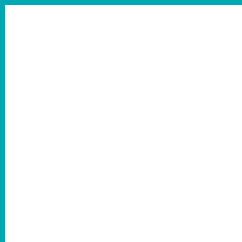
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.2599, 0.2194, 0.3098

Background



This preview shows how black text looks on a background with the Yxy color 31.2599, 0.2194, 0.3098.



This preview shows how white text looks on a background with the Yxy color 31.2599, 0.2194, 0.3098.

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

31.2599, 0.2194, 0.3098

Protanopia

30.9923, 0.2962, 0.3032

Deuteranopia

31.0301, 0.2816, 0.2762



Tritanopia

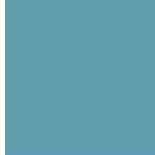
31.4430, 0.2197, 0.3065

Trichromacy



Original Color

31.2599, 0.2194, 0.3098



Protanomaly

29.4871, 0.2499, 0.3054



Deuteranomaly

29.2530, 0.2422, 0.2848



Tritanomaly

31.3651, 0.2197, 0.3081

Monochromacy



Original Color

31.2599, 0.2194, 0.3098



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

21.3509, 0.2515, 0.3210

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2599, 0.2194, 0.3098 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, 168, 179)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 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, 168, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 179) }
```

Border

The CSS property to change the border of an element to Yxy 31.2599, 0.2194, 0.3098 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, 168, 179) }
```

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

```
.border{ border-color:rgb(0, 168, 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, 168, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 179);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2599, 0.2194, 0.3098 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 179) }
```

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

```
.background{ background-color: rgb(0, 168,  
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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