

Converting Colors

$Y_{xy}(23.0329, 0.0835, 0.3094)$

Have a look what the booklet for
Yxy(23.0329, 0.0835, 0.3094)
contains.

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Color

Yxy(31.1399, 0.2208, 0.3148)

Conversions

Conversions Part 1

Format	Color
Hex	00A8B0
RGB	0, 168, 176
RGB Percent	0%, 66%, 69%
CMY	0.9992, 0.3412, 0.3098
CMYK	1.00, 0.05, 0.00, 0.31
HSL	183°, 100%, 35%
HSV	183°, 100%, 69%
XYZ	21.8415, 31.1399, 45.9383
YIQ	118.6800, -102.6960, -33.1280

Conversions

Conversions Part 2

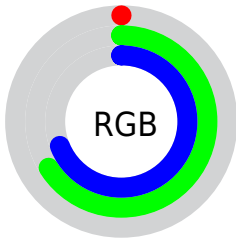
Format	Color
RYB	0, 86, 176
Decimal	43184
CIELab	62.63, -32.65, -14.44
CIELCh	63, 35.699, 203.863
Yxy	31.1399, 0.2208, 0.3148
Android (android.graphics.Color)	4278233264 (0xFF00A8B0)
YUV	118.6800, 28.2588, -104.0824
Hunter-Lab	55.8031, -27.7902, -9.7465

Details

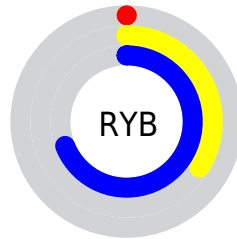
The Yxy color **31.1399, 0.2208, 0.3148** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.4102, 0.6364, 0.3327**, and the grayscale version is **18.2957, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.6789, 0.2383, 0.3185**, and **13.7167, 0.2186, 0.3070** is the 20% darker color. If you saturate the color by 10%, you get **31.1362, 0.2208, 0.3148**, and if you desaturate by 10%, it is **31.5635, 0.2228, 0.3163**.

Distribution



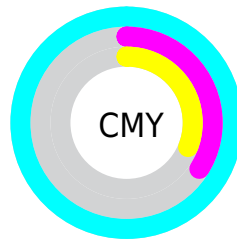
- Red (0%)
- Green (66%)
- Blue (69%)



- Red (0%)
- Yellow (34%)
- Blue (69%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (31%)





- Cyan (100%)
- Magenta (34%)
- Yellow (31%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 31.1399, 0.2208, 0.3148 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 31.1399, 0.2208, 0.3148 by changing the saturation by 10% instead.


 31.1399, 0.2208,
0.3148


 31.1399, 0.2208,
0.3148


 307.1823, 0.2682,
0.3239

 20.7054, 0.2086,
0.3118


 61.4603, 0.2383,
0.3186


 12.9088, 0.1929,
0.3074


 82.1149, 0.2448,
0.3199


 7.3658, 0.1720,
0.3007


 106.9451, 0.2503,
0.3209

 3.6919, 0.1429,
0.2894

 136.3351, 0.2549,
0.3218

 1.5028, 0.0955,
0.2699

 170.6695, 0.2589,
0.3224

 0.2907, 0.0000,
0.1747

 210.3326, 0.2624,

 0.0000, 0.0000,

0.3230

0.0000

255.7087, 0.2655,
0.3235

■ 31.1399, 0.2208,
0.3148

■ 31.1399, 0.2208,
0.3148

■ 31.1362, 0.2208,
0.3148

■ 31.5635, 0.2228,
0.3163

■ 32.1002, 0.2262,
0.3178

■ 32.7936, 0.2313,
0.3193

■ 33.6640, 0.2383,
0.3208

■ 34.7286, 0.2472,
0.3223

■ 36.0025, 0.2578,
0.3238

■ 37.4995, 0.2700,
0.3252

■ 39.2320, 0.2834,
0.3266

■ 41.2115, 0.2978,
0.3278

Harmonies

Analogous

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



31.1399, 0.2543, 0.3729



31.1399, 0.2208, 0.3148



31.1399, 0.2105, 0.2684

Triad

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



31.1399, 0.2208, 0.3148



31.1399, 0.3119, 0.2569



31.1399, 0.4060, 0.4131

Complementary

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



31.1399, 0.2208, 0.3148



9.4102, 0.6364, 0.3327

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.



31.1399, 0.4265, 0.3745



31.1399, 0.2208, 0.3148



31.1399, 0.3698, 0.2886

Square

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



31.1399, 0.2208, 0.3148



31.1399, 0.2591, 0.2405



31.1399, 0.4135, 0.3301



31.1399, 0.3610, 0.4328

Rectangle

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



31.1399, 0.2208, 0.3148



31.1399, 0.2167, 0.2493



31.1399, 0.4135, 0.3301



31.1399, 0.4162, 0.4016

Sweetspot

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



31.1410, 0.2208, 0.3148



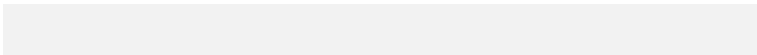
67.8159, 0.2691, 0.3251



31.0692, 0.2994, 0.5977



14.4465, 0.2640, 0.3246



89.0005, 0.3127, 0.3290



17.0645, 0.3127, 0.3290

Same Dimension

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



31.1410, 0.2208, 0.3148



56.3698, 0.2207, 0.3145



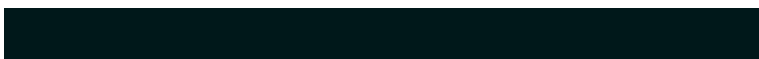
9.2086, 0.1744, 0.1476



9.5638, 0.2986, 0.3279



22.8662, 0.2208, 0.3149



0.7397, 0.2220, 0.3191

Inverse Universe

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



12.0629, 0.3326, 0.1606



21.8570, 0.3328, 0.1607



17.2317, 0.5302, 0.4171



8.6399, 0.3144, 0.3076



8.8485, 0.3325, 0.1605



0.2804, 0.3290, 0.1586

Previews

White Background



This preview shows how the Yxy color 31.1399, 0.2208, 0.3148 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 31.1399, 0.2208, 0.3148 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

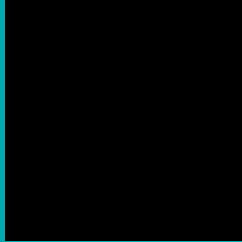
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.1399, 0.2208, 0.3148

Background



This preview shows how black text looks on a background with the Yxy color 31.1399, 0.2208, 0.3148.

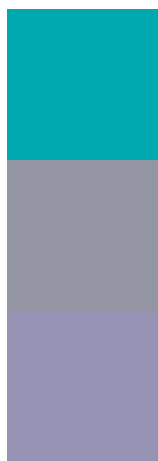


This preview shows how white text looks on a background with the Yxy color 31.1399, 0.2208, 0.3148.

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

31.1399, 0.2208, 0.3148

Protanopia

30.8826, 0.2989, 0.3076

Deuteranopia

30.6877, 0.2849, 0.2789



Tritanopia

31.1331, 0.2200, 0.3048

Trichromacy



Original Color

31.1399, 0.2208, 0.3148

Protanomaly

29.3740, 0.2518, 0.3103

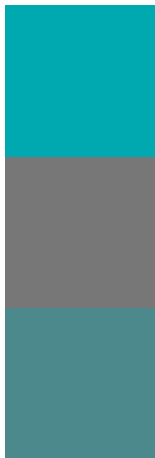
Deuteranomaly

29.1842, 0.2447, 0.2894

Tritanomaly

30.9777, 0.2200, 0.3081

Monochromacy



Original Color

31.1399, 0.2208, 0.3148

Achromatopsia

18.4475, 0.3127, 0.3290

Achromatomaly

21.3213, 0.2523, 0.3229

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.1399, 0.2208, 0.3148 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, 176)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 176)  
}
```

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, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 176) }
```

Border

The CSS property to change the border of an element to Yxy 31.1399, 0.2208, 0.3148 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, 176) }
```

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

```
.border{ border-color:rgb(0, 168, 176) }
```

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, 176) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 176);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 31.1399, 0.2208, 0.3148 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, 176) }
```

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

```
.background{ background-color: rgb(0, 168,  
176) }
```

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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