

Converting Colors

$Y_{xy}(31.9536, 0.2135, 0.2887)$

Have a look what the booklet for
Yxy(31.9536, 0.2135, 0.2887)
contains.

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Color

Yxy(31.8555, 0.2132, 0.2874)

Conversions

Conversions Part 1

Format	Color
Hex	00A8C1
RGB	0, 168, 193
RGB Percent	0%, 66%, 76%
CMY	0.9985, 0.3412, 0.2431
CMYK	1.00, 0.13, 0.00, 0.24
HSL	188°, 100%, 38%
HSV	188°, 100%, 76%
XYZ	23.6312, 31.8555, 55.3536
YIQ	120.6180, -108.1530, -27.8410

Conversions

Conversions Part 2

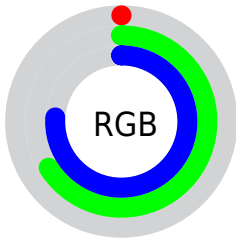
Format	Color
RYB	0, 90, 193
Decimal	43201
CIELab	63.22, -27.08, -23.03
CIElCh	63, 35.547, 220.382
Yxy	31.8555, 0.2132, 0.2874
Android (android.graphics.Color)	4278233281 (0xFF00A8C1)
YUV	120.6180, 35.6843, -105.7820
Hunter-Lab	56.4407, -24.0350, -18.6396

Details

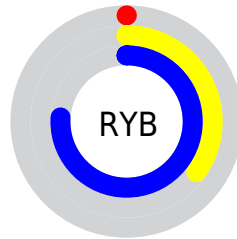
The Yxy color **31.8555, 0.2132, 0.2874** is a dark color, and the websafe version is hex **339999**. The color can be described as dark washed azure. A complement of this color would be **12.0497, 0.6285, 0.3389**, and the grayscale version is **18.9377, 0.3127, 0.3290**.

A 20% lighter version of the original color is **62.3301, 0.2312, 0.2954**, and **14.3549, 0.2102, 0.2767** is the 20% darker color. If you saturate the color by 10%, you get **31.8360, 0.2132, 0.2873**, and if you desaturate by 10%, it is **32.9335, 0.2160, 0.2919**.

Distribution



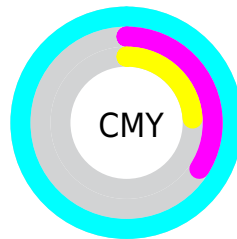
- Red (0%)
- Green (66%)
- Blue (76%)



- Red (0%)
- Yellow (35%)
- Blue (76%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (24%)





- Cyan (100%)
- Magenta (34%)
- Yellow (24%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.8555, 0.2132, 0.2874 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 31.8555, 0.2132, 0.2874 by changing the saturation by 10% instead.


 31.8555, 0.2132,
0.2874


 31.8555, 0.2132,
0.2874


310.4605, 0.2638,
0.3109

 21.2512, 0.2005,
0.2807


 62.5845, 0.2317,
0.2966

 13.3077, 0.1843,
0.2715


 83.4779, 0.2386,
0.2999

 7.6408, 0.1631,
0.2585


 108.5698, 0.2445,
0.3025

 3.8660, 0.1345,
0.2389

 138.2446, 0.2495,
0.3048

 1.5989, 0.0947,
0.2072

 172.8867, 0.2538,
0.3067

 0.3568, 0.0000,
0.1289

212.8804, 0.2576,

 0.0000, 0.0000,

0.3083

0.0000

258.6102, 0.2609,
0.3097

■ 31.8555, 0.2132,
0.2874

■ 31.8555, 0.2132,
0.2874

■ 31.8360, 0.2132,
0.2873

■ 32.9335, 0.2160,
0.2919

■ 34.1708, 0.2204,
0.2964

■ 35.6177, 0.2266,
0.3010

■ 37.2997, 0.2347,
0.3055

■ 39.2386, 0.2446,
0.3099

■ 41.4535, 0.2562,
0.3142

■ 43.9618, 0.2691,
0.3183

■ 46.7791, 0.2830,
0.3222

■ 49.9200, 0.2978,
0.3258

Harmonies

Analogous

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



31.8555, 0.2341, 0.3405



31.8555, 0.2132, 0.2874



31.8555, 0.2159, 0.2528

Triad

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



31.8555, 0.2132, 0.2874



31.8555, 0.3440, 0.2734



31.8555, 0.3827, 0.4262

Complementary

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



31.8555, 0.2132, 0.2874



12.0497, 0.6285, 0.3389

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.



31.8555, 0.4178, 0.3965



31.8555, 0.2132, 0.2874



31.8555, 0.3959, 0.3109

Square

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



31.8555, 0.2132, 0.2874



31.8555, 0.2869, 0.2482



31.8555, 0.4236, 0.3545



31.8555, 0.3305, 0.4288

Rectangle

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



31.8555, 0.2132, 0.2874



31.8555, 0.2305, 0.2420



31.8555, 0.4236, 0.3545



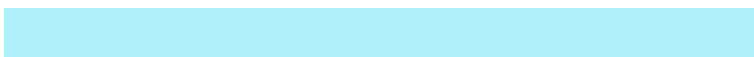
31.8555, 0.3970, 0.4185

Sweetspot

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



31.8566, 0.2132, 0.2874



78.4215, 0.2682, 0.3181



38.2028, 0.2977, 0.5914



16.4037, 0.2626, 0.3164



97.7402, 0.3127, 0.3290



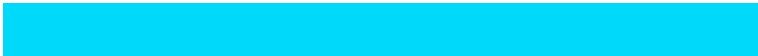
20.4902, 0.3127, 0.3290

Same Dimension

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



31.8566, 0.2132, 0.2874



56.7608, 0.2130, 0.2866



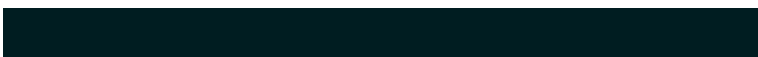
8.7791, 0.1671, 0.1213



11.1982, 0.2984, 0.3259



21.2580, 0.2133, 0.2879



0.9819, 0.2161, 0.2979

Inverse Universe

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



14.1725, 0.3567, 0.1739



25.3394, 0.3574, 0.1742



24.5700, 0.5070, 0.4354



10.2243, 0.3157, 0.3092



9.4282, 0.3562, 0.1736



0.4138, 0.3473, 0.1687

Previews

White Background



This preview shows how the Yxy color 31.8555, 0.2132, 0.2874 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 31.8555, 0.2132, 0.2874 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

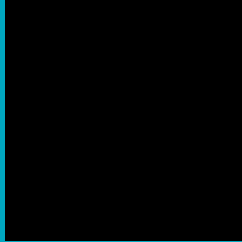
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 31.8555, 0.2132, 0.2874

Background



This preview shows how black text looks on a background with the Yxy color 31.8555, 0.2132, 0.2874.



This preview shows how white text looks on a background with the Yxy color 31.8555, 0.2132, 0.2874.

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

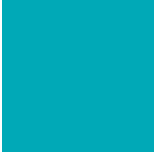
31.8555, 0.2132, 0.2874

Protanopia

31.5804, 0.2816, 0.2845

Deuteranopia

31.3657, 0.2664, 0.2599



Tritanopia

31.7948, 0.2180, 0.3049

Trichromacy



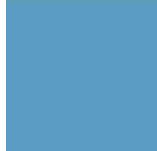
Original Color

31.8555, 0.2132, 0.2874



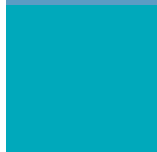
Protanomaly

29.9439, 0.2398, 0.2835



Deuteranomaly

29.9866, 0.2320, 0.2659



Tritanomaly

31.9638, 0.2163, 0.2985

Monochromacy



Original Color

31.8555, 0.2132, 0.2874



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

21.8613, 0.2481, 0.3115

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.8555, 0.2132, 0.2874 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, 193)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 193)  
}
```

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, 193) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 193) }
```

Border

The CSS property to change the border of an element to Yxy 31.8555, 0.2132, 0.2874 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, 193) }
```

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

```
.border{ border-color:rgb(0, 168, 193) }
```

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, 193) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 193); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 193);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
193) }
```


Background

The CSS property to change the background color of an element to Yxy 31.8555, 0.2132, 0.2874 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, 193) }
```

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

```
.background{ background-color: rgb(0, 168,  
193) }
```

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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