

Converting Colors

$Y_{xy}(31.1479, 0.2265, 0.3211)$

Have a look what the booklet for
Yxy(31.1479, 0.2265, 0.3211)
contains.

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Color

Yxy(31.2909, 0.2267, 0.3218)

Conversions

Conversions Part 1

Format	Color
Hex	20A8AC
RGB	32, 168, 172
RGB Percent	13%, 66%, 67%
CMY	0.8745, 0.3412, 0.3255
CMYK	0.81, 0.02, 0.00, 0.33
HSL	182°, 69%, 40%
HSV	182°, 81%, 67%
XYZ	22.0437, 31.2909, 43.9026
YIQ	127.7920, -82.3400, -27.5880

Conversions

Conversions Part 2

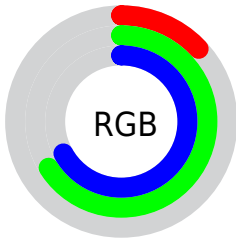
Format	Color
RYB	32, 101, 172
Decimal	2140332
CIELab	62.75, -32.25, -11.97
CIELCh	63, 34.403, 200.368
Yxy	31.2909, 0.2267, 0.3218
Android (android.graphics.Color)	4280330412 (0xFF20A8AC)
YUV	127.7920, 21.7945, -84.0096
Hunter-Lab	55.9383, -27.5503, -7.3763




Details

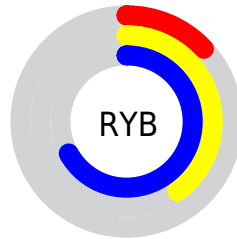
The Yxy color **31.2909, 0.2267, 0.3218** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.1350, 0.5886, 0.3332**, and the grayscale version is **21.4556, 0.3127, 0.3290**.




A 20% lighter version of the original color is **61.8606, 0.2434, 0.3249**, and **13.6175, 0.2212, 0.3164** is the 20% darker color. If you saturate the color by 10%, you get **30.9043, 0.2238, 0.3209**, and if you desaturate by 10%, it is **31.8241, 0.2314, 0.3227**.

Distribution







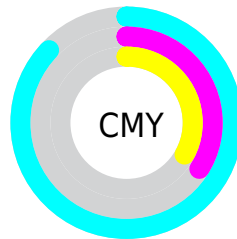
-  Red (13%)
-  Green (66%)
-  Blue (67%)






-  Red (13%)
-  Yellow (40%)
-  Blue (67%)



-  Cyan (81%)
-  Magenta (2%)
-  Yellow (0%)
-  Black (33%)




-  Cyan (87%)
-  Magenta (34%)
-  Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.2909, 0.2267, 0.3218 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 31.2909, 0.2267, 0.3218 by changing the saturation by 10% instead.


 31.2909, 0.2267,
0.3218


 31.2909, 0.2267,
0.3218


307.8763, 0.2712,
0.3270


 20.8205, 0.2152,
0.3199


 61.6978, 0.2432,
0.3241


 12.9928, 0.2003,
0.3171


 82.4030, 0.2493,
0.3248


 7.4236, 0.1802,
0.3125


 107.2886, 0.2544,
0.3254

 3.7284, 0.1520,
0.3044

 136.7390, 0.2588,
0.3258

 1.5228, 0.1056,
0.2900

 171.1386, 0.2625,
0.3262

 0.3047, 0.0000,
0.2047

210.8717, 0.2658,

 0.0000, 0.0000,

0.3265

0.0000

256.3228, 0.2687,
0.3268

■ 31.2909, 0.2267,
0.3218

■ 31.2909, 0.2267,
0.3218

■ 30.9043, 0.2238,
0.3209

■ 31.8241, 0.2314,
0.3227

■ 30.6496, 0.2223,
0.3201

■ 32.5203, 0.2379,
0.3237

■ 33.3970, 0.2463,
0.3246

■ 34.4690, 0.2565,
0.3256

■ 35.7492, 0.2683,
0.3265

■ 37.2497, 0.2814,
0.3273

■ 38.9814, 0.2956,
0.3281

■ 40.9547, 0.3106,
0.3289

■ 43.1793, 0.3261,
0.3296

Harmonies

Analogous

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



31.2909, 0.2616, 0.3775



31.2909, 0.2267, 0.3218



31.2909, 0.2139, 0.2750

Triad

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



31.2909, 0.2267, 0.3218



31.2909, 0.3055, 0.2566



31.2909, 0.4065, 0.4066

Complementary

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



31.2909, 0.2267, 0.3218



10.1350, 0.5886, 0.3332

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.



31.2909, 0.4225, 0.3684



31.2909, 0.2267, 0.3218



31.2909, 0.3616, 0.2859

Square

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



31.2909, 0.2267, 0.3218



31.2909, 0.2561, 0.2428



31.2909, 0.4061, 0.3254



31.2909, 0.3653, 0.4281

Rectangle

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



31.2909, 0.2267, 0.3218



31.2909, 0.2182, 0.2547



31.2909, 0.4061, 0.3254



31.2909, 0.4151, 0.3950

Sweetspot

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



31.2921, 0.2267, 0.3218



66.7142, 0.2773, 0.3271



29.9262, 0.3004, 0.5749



14.2937, 0.2727, 0.3268



86.8899, 0.3127, 0.3290



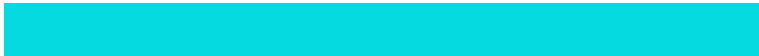
16.2647, 0.3127, 0.3290

Same Dimension

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



31.2921, 0.2267, 0.3218



55.6463, 0.2225, 0.3201



12.3351, 0.1914, 0.1879



9.0324, 0.2987, 0.3283



22.8252, 0.2223, 0.3202



0.6469, 0.2231, 0.3230

Inverse Universe

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



12.6300, 0.3261, 0.1675



21.0778, 0.3281, 0.1586



18.8410, 0.4954, 0.4194



8.1441, 0.3142, 0.3073



8.6073, 0.3280, 0.1581



0.2406, 0.3257, 0.1568

Previews

White Background



This preview shows how the Yxy color 31.2909, 0.2267, 0.3218 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 31.2909, 0.2267, 0.3218 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

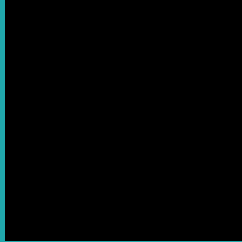
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

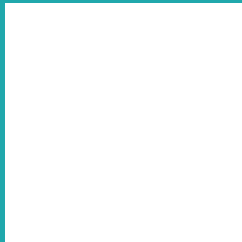
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.2909, 0.2267, 0.3218

Background



This preview shows how black text looks on a background with the Yxy color 31.2909, 0.2267, 0.3218.

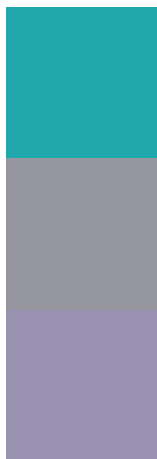


This preview shows how white text looks on a background with the Yxy color 31.2909, 0.2267, 0.3218.

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

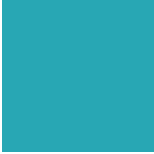
31.2909, 0.2267, 0.3218

Protanopia

30.8699, 0.3025, 0.3122

Deuteranopia

30.8141, 0.2912, 0.2848



Tritanopia

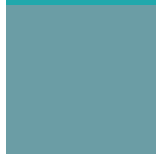
31.3838, 0.2241, 0.3066

Trichromacy



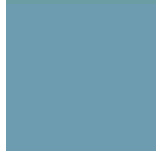
Original Color

31.2909, 0.2267, 0.3218



Protanomaly

29.9564, 0.2624, 0.3155



Deuteranomaly

29.7890, 0.2564, 0.2964



Tritanomaly

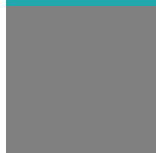
31.2051, 0.2248, 0.3116

Monochromacy



Original Color

31.2909, 0.2267, 0.3218



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

23.9857, 0.2641, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.2909, 0.2267, 0.3218 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(32, 168, 172)` looks like.

```
.text, #text, p{  
    color:rgb(32, 168, 172)  
}
```

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(32, 168, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(32, 168, 172) }
```

Border

The CSS property to change the border of an element to Yxy 31.2909, 0.2267, 0.3218 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(32, 168, 172) }
```

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

```
.border{ border-color:rgb(32, 168, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(32, 168, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(32, 168, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(32, 168, 172);  
box-shadow:4px 4px 4px 4px rgb(32, 168,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 31.2909, 0.2267, 0.3218 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(32, 168, 172) }
```

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

```
.background{ background-color: rgb(32, 168,  
172) }
```

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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