

Converting Colors

$Y_{xy}(31.3999, 0.2268, 0.3287)$

Have a look what the booklet for
Yxy(31.3999, 0.2268, 0.3287)
contains.

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Color

Yxy(31.3999, 0.2268, 0.3287)

Conversions

Conversions Part 1

Format	Color
Hex	15A9A9
RGB	21, 169, 169
RGB Percent	8%, 66%, 66%
CMY	0.9161, 0.3373, 0.3372
CMYK	0.87, 0.00, 0.00, 0.34
HSL	180°, 78%, 37%
HSV	180°, 87%, 66%
XYZ	21.6656, 31.3999, 42.4620
YIQ	124.7480, -88.2080, -31.3760

Conversions

Conversions Part 2

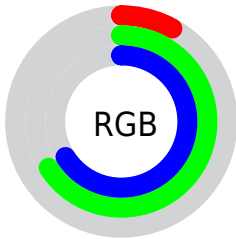
Format	Color
R_{YB}	21, 95, 169
Decimal	1419689
CIE Lab	62.84, -34.41, -10.18
CIE LCh	63, 35.887, 196.484
Yxy	31.3999, 0.2268, 0.3287
Android (android.graphics.Color)	4279609769 (0xFF15A9A9)
YUV	124.7480, 21.8162, -90.9870
Hunter-Lab	56.0356, -29.0470, -5.7031

Details

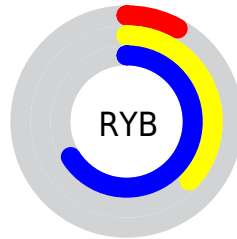
The Yxy color **31.3999, 0.2268, 0.3287** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.0441, 0.6121, 0.3299**, and the grayscale version is **20.4065, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.9989, 0.2436, 0.3301**, and **13.7751, 0.2240, 0.3263** is the 20% darker color. If you saturate the color by 10%, you get **31.2652, 0.2250, 0.3287**, and if you desaturate by 10%, it is **31.6561, 0.2301, 0.3287**.

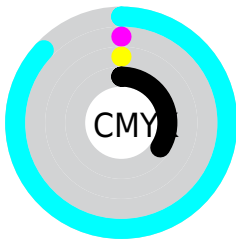
Distribution



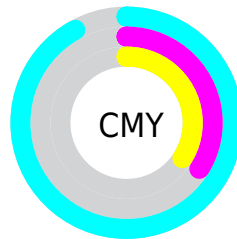
- Red (8%)
- Green (66%)
- Blue (66%)



- Red (8%)
- Yellow (37%)
- Blue (66%)



- Cyan (87%)
- Magenta (0%)
- Yellow (0%)
- Black (34%)




- Cyan (92%)
- Magenta (34%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 31.3999, 0.2268, 0.3287 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 31.3999, 0.2268, 0.3287 by changing the saturation by 10% instead.


 31.3999, 0.2268,
0.3287


 31.3999, 0.2268,
0.3287


308.3764, 0.2713,
0.3301

 20.9036, 0.2153,
0.3278


 61.8691, 0.2433,
0.3296

 13.0535, 0.2003,
0.3263


 82.6108, 0.2494,
0.3298


 7.4654, 0.1801,
0.3236


 107.5364, 0.2545,
0.3299

 3.7548, 0.1517,
0.3183

 137.0302, 0.2589,
0.3300

 1.5374, 0.1028,
0.3090

 171.4768, 0.2627,
0.3301

 0.3148, 0.0000,
0.2294

211.2604, 0.2659,

 0.0000, 0.0000,

0.3301

0.0000

256.7655, 0.2688,
0.3301

■ 31.3999, 0.2268,
0.3287

■ 31.3999, 0.2268,
0.3287

■ 31.2652, 0.2250,
0.3287

■ 31.6561, 0.2301,
0.3287

■ 31.2359, 0.2246,
0.3287

■ 32.0572, 0.2352,
0.3287

■ 32.6220, 0.2422,
0.3288

■ 33.3654, 0.2510,
0.3288

■ 34.3008, 0.2616,
0.3288

■ 35.4402, 0.2737,
0.3289

■ 36.7946, 0.2871,
0.3289

■ 38.3744, 0.3016,
0.3290

■ 40.1891, 0.3168,
0.3290

Harmonies

Analogous

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



31.3999, 0.2655, 0.3867



31.3999, 0.2268, 0.3287



31.3999, 0.2106, 0.2778

Triad

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



31.3999, 0.2268, 0.3287



31.3999, 0.2978, 0.2511



31.3999, 0.4140, 0.4049

Complementary

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



31.3999, 0.2268, 0.3287



9.0441, 0.6121, 0.3299

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.



31.3999, 0.4268, 0.3638



31.3999, 0.2268, 0.3287



31.3999, 0.3562, 0.2795

Square

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



31.3999, 0.2268, 0.3287



31.3999, 0.2484, 0.2392



31.3999, 0.4054, 0.3193



31.3999, 0.3738, 0.4308

Rectangle

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



31.3999, 0.2268, 0.3287



31.3999, 0.2130, 0.2550



31.3999, 0.4054, 0.3193



31.3999, 0.4219, 0.3922

Sweetspot

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



31.4011, 0.2268, 0.3287



63.6558, 0.2748, 0.3289



28.6010, 0.3006, 0.5870



13.7159, 0.2706, 0.3289



84.8088, 0.3127, 0.3290



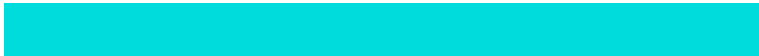
15.4872, 0.3127, 0.3290

Same Dimension

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



31.4011, 0.2268, 0.3287



55.9302, 0.2246, 0.3287



11.2501, 0.1871, 0.1816



8.5318, 0.2987, 0.3290



23.2754, 0.2246, 0.3287



0.5664, 0.2246, 0.3287

Inverse Universe

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



11.8518, 0.3207, 0.1597



20.2349, 0.3210, 0.1542



16.7135, 0.5129, 0.4158



7.6666, 0.3138, 0.3068



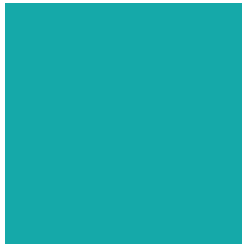
8.4207, 0.3210, 0.1542



0.2049, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 31.3999, 0.2268, 0.3287 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 31.3999, 0.2268, 0.3287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

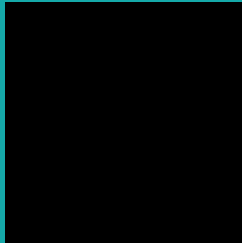
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

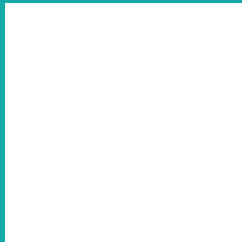
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 31.3999, 0.2268, 0.3287

Background



This preview shows how black text looks on a background with the Yxy color 31.3999, 0.2268, 0.3287.

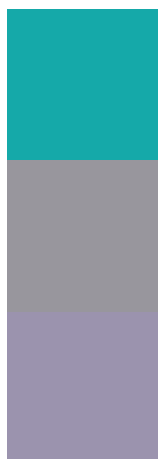


This preview shows how white text looks on a background with the Yxy color 31.3999, 0.2268, 0.3287.

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

31.3999, 0.2268, 0.3287

Protanopia

30.9224, 0.3082, 0.3183

Deuteranopia

30.8920, 0.2957, 0.2892



Tritanopia

31.3487, 0.2226, 0.3050

Trichromacy



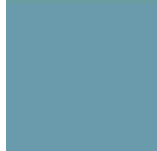
Original Color

31.3999, 0.2268, 0.3287



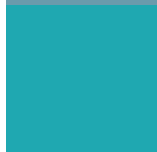
Protanomaly

29.6904, 0.2638, 0.3221



Deuteranomaly

29.4854, 0.2563, 0.3009



Tritanomaly

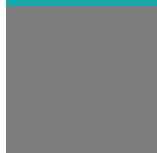
31.4709, 0.2240, 0.3133

Monochromacy



Original Color

31.3999, 0.2268, 0.3287



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

22.9991, 0.2611, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 31.3999, 0.2268, 0.3287 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(21, 169, 169)` looks like.

```
.text, #text, p{  
    color:rgb(21, 169, 169)  
}
```

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(21, 169, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 169, 169) }
```

Border

The CSS property to change the border of an element to Yxy 31.3999, 0.2268, 0.3287 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(21, 169, 169) }
```

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

```
.border{ border-color:rgb(21, 169, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 169, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 169, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 169, 169);  
box-shadow:4px 4px 4px 4px rgb(21, 169,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 31.3999, 0.2268, 0.3287 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 169, 169) }
```

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

```
.background{ background-color: rgb(21, 169,  
169) }
```

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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