

Converting Colors

$Yxy(32.5335, 0.2287, 0.3288)$

Have a look what the booklet for
Yxy(32.5335, 0.2287, 0.3288)
contains.

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Color

Yxy(32.3894, 0.2288, 0.3288)

Conversions

Conversions Part 1

Format	Color
Hex	21ABAB
RGB	33, 171, 171
RGB Percent	13%, 67%, 67%
CMY	0.8706, 0.3294, 0.3295
CMYK	0.81, 0.00, 0.00, 0.33
HSL	180°, 68%, 40%
HSV	180°, 81%, 67%
XYZ	22.5386, 32.3894, 43.5799
YIQ	129.7380, -82.2480, -29.2560

Conversions

Conversions Part 2

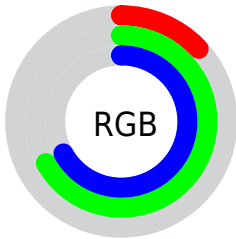
Format	Color
RYB	33, 102, 171
Decimal	2206635
CIELab	63.66, -33.90, -10.04
CIELCh	64, 35.352, 196.500
Yxy	32.3894, 0.2288, 0.3288
Android (android.graphics.Color)	4280396715 (0xFF21ABAB)
YUV	129.7380, 20.3422, -84.8392
Hunter-Lab	56.9117, -28.9045, -5.5629

Details

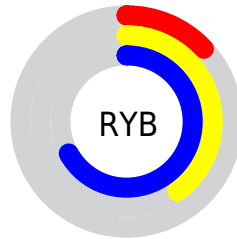
The Yxy color **32.3894, 0.2288, 0.3288** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.8561, 0.5894, 0.3298**, and the grayscale version is **22.1743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4933, 0.2451, 0.3301**, and **14.2888, 0.2240, 0.3263** is the 20% darker color. If you saturate the color by 10%, you get **32.1764, 0.2261, 0.3288**, and if you desaturate by 10%, it is **32.7481, 0.2333, 0.3288**.

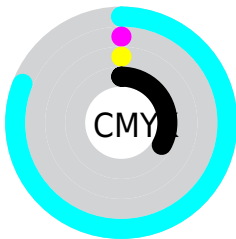
Distribution



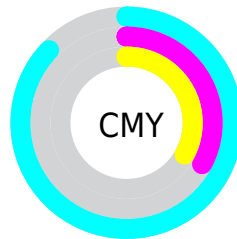
- Red (13%)
- Green (67%)
- Blue (67%)



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



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




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

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.3894, 0.2288, 0.3288 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 32.3894, 0.2288, 0.3288 by changing the saturation by 10% instead.

 32.3894, 0.2288,
0.3288

 32.3894, 0.2288,
0.3288


312.8893, 0.2721,
0.3301


 21.6591, 0.2176,
0.3280


 63.4210, 0.2448,
0.3296

 13.6066, 0.2031,
0.3266


 84.4912, 0.2508,
0.3298


 7.8476, 0.1837,
0.3241

 109.7767, 0.2558,
0.3299

 3.9976, 0.1564,
0.3193

 139.6621, 0.2600,
0.3300

 1.6722, 0.1130,
0.3097

 174.5316, 0.2637,
0.3301

 0.4056, 0.0000,
0.2599

214.7697, 0.2669,

 0.0000, 0.0000,

0.3301

0.0000

260.7608, 0.2697,
0.3301

■ 32.3894, 0.2288,
0.3288

■ 32.3894, 0.2288,
0.3288

■ 32.1764, 0.2261,
0.3288

■ 32.7481, 0.2333,
0.3288

■ 32.0671, 0.2247,
0.3288

■ 33.2679, 0.2396,
0.3288

■ 33.9664, 0.2478,
0.3288

■ 34.8577, 0.2578,
0.3289

■ 35.9547, 0.2694,
0.3289

■ 37.2690, 0.2824,
0.3289

■ 38.8116, 0.2966,
0.3290

■ 40.5924, 0.3116,
0.3290

■ 42.6211, 0.3272,
0.3290

Harmonies

Analogous

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



32.3894, 0.2667, 0.3851



32.3894, 0.2288, 0.3288



32.3894, 0.2128, 0.2792

Triad

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



32.3894, 0.2288, 0.3288



32.3894, 0.2982, 0.2528



32.3894, 0.4116, 0.4033

Complementary

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



32.3894, 0.2288, 0.3288



9.8561, 0.5894, 0.3298

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.



32.3894, 0.4240, 0.3632



32.3894, 0.2288, 0.3288



32.3894, 0.3552, 0.2807

Square

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



32.3894, 0.2288, 0.3288



32.3894, 0.2499, 0.2412



32.3894, 0.4031, 0.3197



32.3894, 0.3724, 0.4283

Rectangle

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



32.3894, 0.2288, 0.3288



32.3894, 0.2152, 0.2568



32.3894, 0.4031, 0.3197



32.3894, 0.4193, 0.3909

Sweetspot

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



32.3906, 0.2288, 0.3288



65.8197, 0.2775, 0.3289



29.6003, 0.3019, 0.5750



14.4975, 0.2730, 0.3289



86.8899, 0.3127, 0.3290



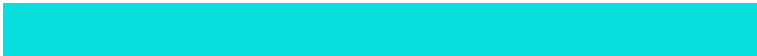
16.2647, 0.3127, 0.3290

Same Dimension

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



32.3906, 0.2288, 0.3288



57.4694, 0.2250, 0.3288



13.2253, 0.1946, 0.1986



9.0721, 0.2987, 0.3290



24.1721, 0.2247, 0.3288



0.6725, 0.2247, 0.3288

Inverse Universe

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



9.8561, 0.5894, 0.3298



15.6651, 0.6358, 0.3299



17.8256, 0.5004, 0.4130



8.0154, 0.3286, 0.3290



6.5269, 0.6400, 0.3300



0.1816, 0.6399, 0.3299

Previews

White Background



This preview shows how the Yxy color 32.3894, 0.2288, 0.3288 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 32.3894, 0.2288, 0.3288 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

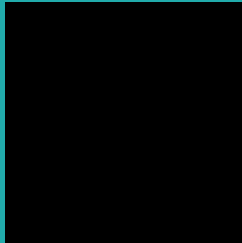
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

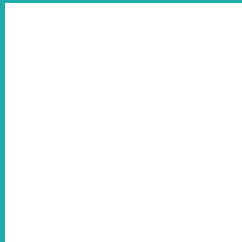
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 32.3894, 0.2288, 0.3288

Background



This preview shows how black text looks on a background with the Yxy color 32.3894, 0.2288, 0.3288.

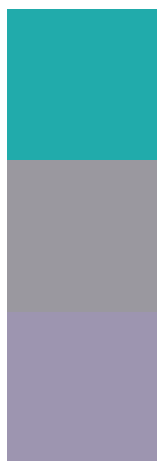


This preview shows how white text looks on a background with the Yxy color 32.3894, 0.2288, 0.3288.

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

32.3894, 0.2288, 0.3288

Protanopia

31.8297, 0.3082, 0.3184

Deuteranopia

31.7976, 0.2959, 0.2896



Tritanopia

32.3303, 0.2245, 0.3053

Trichromacy



Original Color

32.3894, 0.2288, 0.3288



Protanomaly

30.7556, 0.2665, 0.3222



Deuteranomaly

30.6147, 0.2597, 0.3015



Tritanomaly

32.4552, 0.2259, 0.3135

Monochromacy



Original Color

32.3894, 0.2288, 0.3288



Achromatopsia

22.3228, 0.3127, 0.3290



Achromatomaly

24.7280, 0.2654, 0.3289

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.3894, 0.2288, 0.3288 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(33, 171, 171)` looks like.

```
.text, #text, p{  
    color:rgb(33, 171, 171)  
}
```

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(33, 171, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 171, 171) }
```

Border

The CSS property to change the border of an element to Yxy 32.3894, 0.2288, 0.3288 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(33, 171, 171) }
```

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

```
.border{ border-color:rgb(33, 171, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 171, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 171, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 171, 171);  
box-shadow:4px 4px 4px 4px rgb(33, 171,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 32.3894, 0.2288, 0.3288 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 171, 171) }
```

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

```
.background{ background-color: rgb(33, 171,  
171) }
```

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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