

Converting Colors

$Y_{xy}(32.5399, 0.2228, 0.3151)$

Have a look what the booklet for
Yxy(32.5399, 0.2228, 0.3151)
contains.

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Color

Yxy(32.5399, 0.2228, 0.3151)

Conversions

Conversions Part 1

Format	Color
Hex	15ABB3
RGB	21, 171, 179
RGB Percent	8%, 67%, 70%
CMY	0.9179, 0.3294, 0.2980
CMYK	0.88, 0.04, 0.00, 0.30
HSL	183°, 79%, 39%
HSV	183°, 88%, 70%
XYZ	23.0082, 32.5399, 47.7204
YIQ	127.0620, -91.9680, -29.3120

Conversions

Conversions Part 2

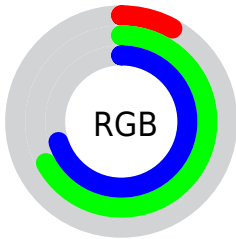
Format	Color
R _Y B	21, 98, 179
Decimal	1420211
CIE Lab	63.79, -32.29, -14.36
CIE LCh	64, 35.340, 203.967
Yxy	32.5399, 0.2228, 0.3151
Android (android.graphics.Color)	4279610291 (0xFF15ABB3)
YUV	127.0620, 25.6054, -93.0164
Hunter-Lab	57.0438, -27.8298, -9.6689

Details

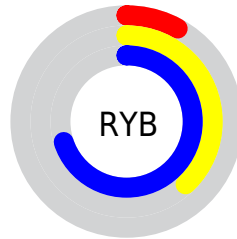
The Yxy color **32.5399, 0.2228, 0.3151** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.5147, 0.6102, 0.3348**, and the grayscale version is **21.1743, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.7611, 0.2396, 0.3187**, and **14.4632, 0.2194, 0.3097** is the 20% darker color. If you saturate the color by 10%, you get **32.0606, 0.2207, 0.3135**, and if you desaturate by 10%, it is **33.1542, 0.2265, 0.3168**.

Distribution



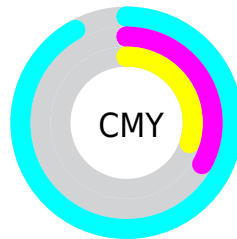
- Red (8%)
- Green (67%)
- Blue (70%)



- Red (8%)
- Yellow (38%)
- Blue (70%)



- Cyan (88%)
- Magenta (4%)
- Yellow (0%)
- Black (30%)





- Cyan (92%)
- Magenta (33%)
- Yellow (30%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.5399, 0.2228, 0.3151 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 32.5399, 0.2228, 0.3151 by changing the saturation by 10% instead.


 32.5399, 0.2228,
0.3151

 32.5399, 0.2228,
0.3151


313.5714, 0.2689,
0.3239


 21.7742, 0.2111,
0.3122


 63.6565, 0.2398,
0.3188


 13.6911, 0.1959,
0.3081


 84.7763, 0.2461,
0.3200


 7.9061, 0.1758,
0.3017


 110.1161, 0.2514,
0.3210

 4.0349, 0.1480,
0.2912

 140.0605, 0.2559,
0.3218

 1.6931, 0.1065,
0.2723

 174.9939, 0.2598,
0.3225

 0.4192, 0.0000,
0.2129

215.3005, 0.2632,

 0.0000, 0.0000,

0.3230

0.0000

261.3649, 0.2662,
0.3235

■ 32.5399, 0.2228,
0.3151

■ 32.5399, 0.2228,
0.3151

■ 32.0606, 0.2207,
0.3135

■ 33.1542, 0.2265,
0.3168

■ 31.9833, 0.2203,
0.3132

■ 33.9343, 0.2320,
0.3185

■ 34.9019, 0.2394,
0.3202

■ 36.0746, 0.2486,
0.3218

■ 37.4679, 0.2595,
0.3235

■ 39.0958, 0.2719,
0.3251

■ 40.9712, 0.2855,
0.3265

■ 43.1061, 0.3001,
0.3279

■ 45.5115, 0.3153,
0.3292

Harmonies

Analogous

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



32.5399, 0.2556, 0.3716



32.5399, 0.2228, 0.3151



32.5399, 0.2127, 0.2698

Triad

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



32.5399, 0.2228, 0.3151



32.5399, 0.3122, 0.2585



32.5399, 0.4038, 0.4114

Complementary

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



32.5399, 0.2228, 0.3151



10.5147, 0.6102, 0.3348

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.



32.5399, 0.4237, 0.3738



32.5399, 0.2228, 0.3151



32.5399, 0.3687, 0.2897

Square

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



32.5399, 0.2228, 0.3151



32.5399, 0.2605, 0.2425



32.5399, 0.4111, 0.3304



32.5399, 0.3598, 0.4302

Rectangle

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



32.5399, 0.2228, 0.3151



32.5399, 0.2189, 0.2511



32.5399, 0.4111, 0.3304



32.5399, 0.4137, 0.4002

Sweetspot

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



32.5411, 0.2228, 0.3151



70.6033, 0.2744, 0.3253



32.4906, 0.2990, 0.5835



15.4042, 0.2699, 0.3248



91.1408, 0.3127, 0.3290



17.8868, 0.3127, 0.3290

Same Dimension

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



32.5411, 0.2228, 0.3151



57.1719, 0.2203, 0.3129



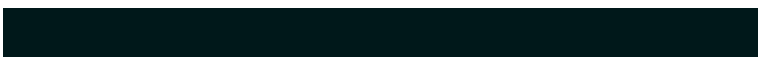
11.0803, 0.1819, 0.1641



9.5563, 0.2986, 0.3278



22.6276, 0.2204, 0.3134



0.7343, 0.2217, 0.3180

Inverse Universe

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



13.0593, 0.3320, 0.1654



22.3473, 0.3342, 0.1615



20.3380, 0.5039, 0.4257



8.6391, 0.3145, 0.3077



8.8244, 0.3338, 0.1613



0.2799, 0.3299, 0.1591

Previews

White Background



This preview shows how the Yxy color 32.5399, 0.2228, 0.3151 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 32.5399, 0.2228, 0.3151 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

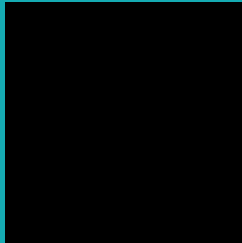
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.5399, 0.2228, 0.3151

Background



This preview shows how black text looks on a background with the Yxy color 32.5399, 0.2228, 0.3151.

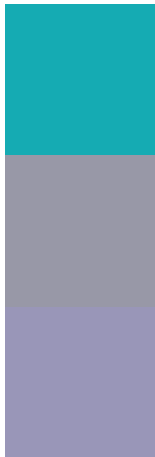


This preview shows how white text looks on a background with the Yxy color 32.5399, 0.2228, 0.3151.

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

32.5399, 0.2228, 0.3151

Protanopia

31.9219, 0.2991, 0.3065

Deuteranopia

32.0457, 0.2854, 0.2798



Tritanopia

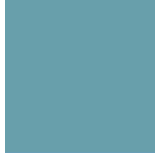
32.4714, 0.2212, 0.3052

Trichromacy



Original Color

32.5399, 0.2228, 0.3151



Protanomaly

30.6796, 0.2565, 0.3091



Deuteranomaly

30.8344, 0.2496, 0.2905



Tritanomaly

32.3465, 0.2217, 0.3085

Monochromacy



Original Color

32.5399, 0.2228, 0.3151



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

23.7950, 0.2586, 0.3232

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5399, 0.2228, 0.3151 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, 171, 179)` looks like.

```
.text, #text, p{  
    color:rgb(21, 171, 179)  
}
```

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, 171, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(21, 171, 179) }
```

Border

The CSS property to change the border of an element to Yxy 32.5399, 0.2228, 0.3151 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, 171, 179) }
```

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

```
.border{ border-color:rgb(21, 171, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(21, 171, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(21, 171, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(21, 171, 179);  
box-shadow:4px 4px 4px 4px rgb(21, 171,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5399, 0.2228, 0.3151 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(21, 171, 179) }
```

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

```
.background{ background-color: rgb(21, 171,  
179) }
```

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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