

Converting Colors

$Y_{xy}(30.8312, 0.2000, 0.3257)$

Have a look what the booklet for
Yxy(30.8312, 0.2000, 0.3257)
contains.

Yxy(32.5610, 0.2237, 0.3253)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(32.5610, 0.2237, 0.3253)

Conversions

Conversions Part 1

Format	Color
Hex	00ACAE
RGB	0, 172, 174
RGB Percent	0%, 67%, 68%
CMY	1.0000, 0.3255, 0.3177
CMYK	1.00, 0.01, 0.00, 0.32
HSL	181°, 100%, 34%
HSV	181°, 100%, 68%
XYZ	22.3913, 32.5610, 45.1430
YIQ	120.8000, -103.1540, -35.8420

Conversions

Conversions Part 2

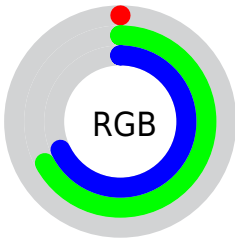
Format	Color
RYB	0, 86, 174
Decimal	44206
CIELab	63.80, -35.18, -11.54
CIELCh	64, 37.022, 198.162
Yxy	32.5610, 0.2237, 0.3253
Android (android.graphics.Color)	4278234286 (0xFF00ACAE)
YUV	120.8000, 26.2276, -105.9416
Hunter-Lab	57.0622, -29.8152, -6.9618

Details

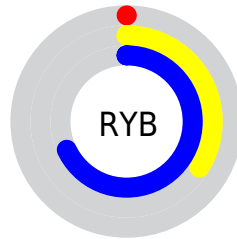
The Yxy color **32.5610, 0.2237, 0.3253** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.0407, 0.6392, 0.3307**, and the grayscale version is **18.9925, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.6853, 0.2408, 0.3275**, and **14.5988, 0.2227, 0.3215** is the 20% darker color. If you saturate the color by 10%, you get **32.5621, 0.2237, 0.3253**, and if you desaturate by 10%, it is **32.7607, 0.2253, 0.3257**.

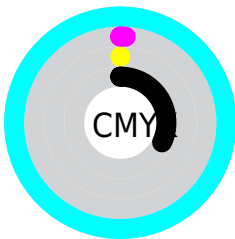
Distribution



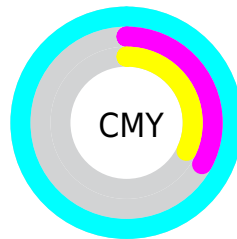
- Red (0%)
- Green (67%)
- Blue (68%)



- Red (0%)
- Yellow (34%)
- Blue (68%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (32%)





- Cyan (100%)
- Magenta (33%)
- Yellow (32%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 32.5610, 0.2237, 0.3253 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 32.5610, 0.2237, 0.3253 by changing the saturation by 10% instead.


 32.5610, 0.2237,
0.3253


 32.5610, 0.2237,
0.3253


 313.6669, 0.2695,
0.3287


 21.7904, 0.2120,
0.3239


 63.6895, 0.2406,
0.3269


 13.7029, 0.1969,
0.3217


 84.8162, 0.2468,
0.3274


 7.9143, 0.1767,
0.3180


 110.1637, 0.2521,
0.3278

 4.0402, 0.1486,
0.3112

 140.1164, 0.2566,
0.3280

 1.6961, 0.1045,
0.2985

 175.0586, 0.2605,
0.3283

 0.4211, 0.0000,
0.2450

 215.3749, 0.2639,

 0.0000, 0.0000,

0.3284

0.0000

261.4495, 0.2668,
0.3286

■ 32.5610, 0.2237,
0.3253

■ 32.5610, 0.2237,
0.3253

■ 32.5621, 0.2237,
0.3253

■ 32.7607, 0.2253,
0.3257

■ 33.0675, 0.2283,
0.3260

■ 33.5249, 0.2330,
0.3264

■ 34.1527, 0.2396,
0.3268

■ 34.9678, 0.2481,
0.3272

■ 35.9847, 0.2583,
0.3276

■ 37.2169, 0.2701,
0.3280

■ 38.6765, 0.2833,
0.3283

■ 40.3746, 0.2976,
0.3287

Harmonies

Analogous

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



32.5610, 0.2619, 0.3848



32.5610, 0.2237, 0.3253



32.5610, 0.2086, 0.2744

Triad

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



32.5610, 0.2237, 0.3253



32.5610, 0.3006, 0.2510



32.5610, 0.4142, 0.4081

Complementary

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



32.5610, 0.2237, 0.3253



9.0407, 0.6392, 0.3307

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.



32.5610, 0.4292, 0.3667



32.5610, 0.2237, 0.3253



32.5610, 0.3603, 0.2807

Square

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



32.5610, 0.2237, 0.3253



32.5610, 0.2496, 0.2378



32.5610, 0.4093, 0.3215



32.5610, 0.3719, 0.4335

Rectangle

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



32.5610, 0.2237, 0.3253



32.5610, 0.2120, 0.2521



32.5610, 0.4093, 0.3215



32.5610, 0.4228, 0.3954

Sweetspot

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



32.5622, 0.2237, 0.3253



67.3874, 0.2695, 0.3279



30.2680, 0.3000, 0.6000



14.7634, 0.2644, 0.3278



89.0005, 0.3127, 0.3290



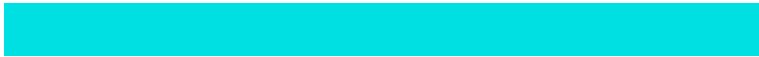
17.0645, 0.3127, 0.3290

Same Dimension

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



32.5622, 0.2237, 0.3253



59.0486, 0.2237, 0.3252



9.8718, 0.1774, 0.1585



9.0562, 0.2987, 0.3287



23.6272, 0.2237, 0.3253



0.6621, 0.2240, 0.3264

Inverse Universe

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



11.9763, 0.3238, 0.1557



21.7242, 0.3238, 0.1558



15.8136, 0.5401, 0.4094



8.1465, 0.3139, 0.3069



8.6882, 0.3237, 0.1557



0.2422, 0.3228, 0.1552

Previews

White Background



This preview shows how the Yxy color 32.5610, 0.2237, 0.3253 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 32.5610, 0.2237, 0.3253 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

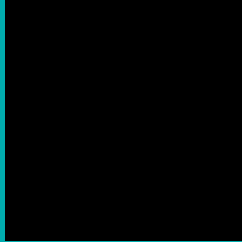
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.5610, 0.2237, 0.3253

Background



This preview shows how black text looks on a background with the Yxy color 32.5610, 0.2237, 0.3253.



This preview shows how white text looks on a background with the Yxy color 32.5610, 0.2237, 0.3253.

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

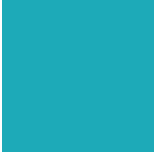
32.5610, 0.2237, 0.3253

Protanopia

32.2611, 0.3055, 0.3155

Deuteranopia

32.1353, 0.2924, 0.2869



Tritanopia

32.4714, 0.2212, 0.3052

Trichromacy



Original Color

32.5610, 0.2237, 0.3253



Protanomaly

30.4915, 0.2560, 0.3188



Deuteranomaly

30.2807, 0.2489, 0.2978



Tritanomaly

32.5497, 0.2220, 0.3134

Monochromacy



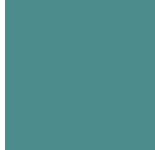
Original Color

32.5610, 0.2237, 0.3253



Achromatopsia

19.1202, 0.3127, 0.3290



Achromatomaly

22.2274, 0.2540, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5610, 0.2237, 0.3253 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, 172, 174)` looks like.

```
.text, #text, p{  
  color:rgb(0, 172, 174)  
}
```

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, 172, 174) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 172, 174) }
```

Border

The CSS property to change the border of an element to Yxy 32.5610, 0.2237, 0.3253 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, 172, 174) }
```

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

```
.border{ border-color:rgb(0, 172, 174) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 172, 174)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 172, 174); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 172, 174);  
box-shadow:4px 4px 4px 4px rgb(0, 172,  
174) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5610, 0.2237, 0.3253 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 172, 174) }
```

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

```
.background{ background-color: rgb(0, 172,  
174) }
```

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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