

Converting Colors

$Y_{xy}(32.5065, 0.2363, 0.3707)$

Have a look what the booklet for
Yxy(32.5065, 0.2363, 0.3707)
contains.

Yxy(32.5065, 0.2363, 0.3707)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(32.5065, 0.2363, 0.3707)

Conversions

Conversions Part 1

Format	Color
Hex	00AE97
RGB	0, 174, 151
RGB Percent	0%, 68%, 59%
CMY	1.0000, 0.3176, 0.4078
CMYK	1.00, 0.00, 0.13, 0.32
HSL	172°, 100%, 34%
HSV	172°, 100%, 68%
XYZ	20.7210, 32.5065, 34.4620
YIQ	119.3520, -96.3210, -44.0410

Conversions

Conversions Part 2

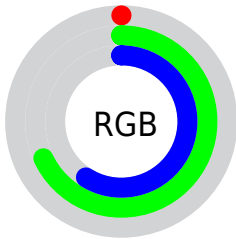
Format	Color
RYB	0, 93, 174
Decimal	44695
CIELab	63.76, -42.86, 1.22
CIELCh	64, 42.881, 178.372
Yxy	32.5065, 0.2363, 0.3707
Android (android.graphics.Color)	4278234775 (0xFF00AE97)
YUV	119.3520, 15.6025, -104.6717
Hunter-Lab	57.0145, -34.9023, 4.0727

Details

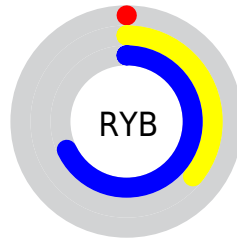
The Yxy color **32.5065, 0.2363, 0.3707** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.0611, 0.6222, 0.3201**, and the grayscale version is **18.5386, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.4343, 0.2514, 0.3622**, and **14.3530, 0.2390, 0.3805** is the 20% darker color. If you saturate the color by 10%, you get **32.5084, 0.2363, 0.3707**, and if you desaturate by 10%, it is **32.7068, 0.2368, 0.3662**.

Distribution



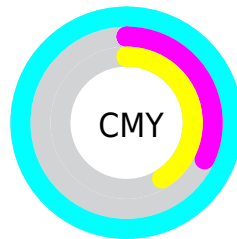
- Red (0%)
- Green (68%)
- Blue (59%)



- Red (0%)
- Yellow (36%)
- Blue (68%)



- Cyan (100%)
- Magenta (0%)
- Yellow (13%)
- Black (32%)




- Cyan (100%)
- Magenta (32%)
- Yellow (41%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 32.5065, 0.2363, 0.3707 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 32.5065, 0.2363, 0.3707 by changing the saturation by 10% instead.

 32.5065, 0.2363,
0.3707


 32.5065, 0.2363,
0.3707


313.4201, 0.2765,
0.3486


 21.7487, 0.2257,
0.3766


 63.6043, 0.2514,
0.3624


 13.6723, 0.2117,
0.3844


 84.7130, 0.2569,
0.3594


 7.8931, 0.1925,
0.3953


 110.0408, 0.2615,
0.3568

 4.0266, 0.1648,
0.4111

 139.9721, 0.2654,
0.3547

 1.6885, 0.1056,
0.4443

 174.8913, 0.2688,
0.3528

 0.4162, 0.0000,
0.5307

 215.1828, 0.2717,

 0.0000, 0.0000,

0.3513

0.0000

261.2309, 0.2742,
0.3499

■ 32.5065, 0.2363,
0.3707

■ 32.5065, 0.2363,
0.3707

■ 32.5084, 0.2363,
0.3707

■ 32.7068, 0.2368,
0.3662

■ 33.0147, 0.2387,
0.3616

■ 33.4747, 0.2424,
0.3570

■ 34.1065, 0.2480,
0.3524

■ 34.9269, 0.2554,
0.3480

■ 35.9506, 0.2645,
0.3437

■ 37.1910, 0.2750,
0.3396

■ 38.6602, 0.2868,
0.3358

■ 40.3695, 0.2994,
0.3322

Harmonies

Analogous

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



32.5065, 0.2930, 0.4318



32.5065, 0.2363, 0.3707



32.5065, 0.2021, 0.3013

Triad

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



32.5065, 0.2363, 0.3707



32.5065, 0.2577, 0.2281



32.5065, 0.4454, 0.3875

Complementary

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



32.5065, 0.2363, 0.3707



9.0611, 0.6222, 0.3201

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.



32.5065, 0.4371, 0.3365



32.5065, 0.2363, 0.3707



32.5065, 0.3215, 0.2499

Square

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



32.5065, 0.2363, 0.3707



32.5065, 0.2138, 0.2274



32.5065, 0.3896, 0.2882



32.5065, 0.4148, 0.4318

Rectangle

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



32.5065, 0.2363, 0.3707



32.5065, 0.1943, 0.2649



32.5065, 0.3896, 0.2882



32.5065, 0.4473, 0.3706

Sweetspot

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



32.5084, 0.2363, 0.3707



67.3273, 0.2744, 0.3398



30.4584, 0.3037, 0.5970



14.7486, 0.2700, 0.3415



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.



32.5084, 0.2363, 0.3707



58.9398, 0.2365, 0.3715



14.2519, 0.1902, 0.2048



9.0536, 0.3003, 0.3320



23.5835, 0.2362, 0.3702



0.6610, 0.2323, 0.3564

Inverse Universe

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



9.0611, 0.6222, 0.3201



16.4165, 0.6251, 0.3217



12.6437, 0.5781, 0.3792



8.0319, 0.3266, 0.3260



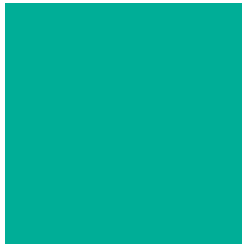
6.5769, 0.6202, 0.3190



0.1882, 0.5579, 0.2847

Previews

White Background



This preview shows how the Yxy color 32.5065, 0.2363, 0.3707 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 32.5065, 0.2363, 0.3707 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

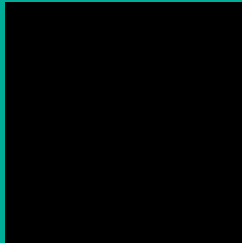
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 32.5065, 0.2363, 0.3707

Background



This preview shows how black text looks on a background with the Yxy color 32.5065, 0.2363, 0.3707.

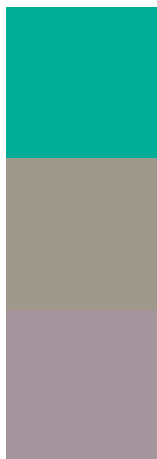


This preview shows how white text looks on a background with the Yxy color 32.5065, 0.2363, 0.3707.

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

32.5065, 0.2363, 0.3707

Protanopia

32.0468, 0.3312, 0.3489

Deuteranopia

32.1447, 0.3235, 0.3174



Tritanopia

32.3992, 0.2253, 0.3054

Trichromacy



Original Color

32.5065, 0.2363, 0.3707



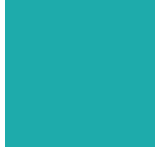
Protanomaly

30.2701, 0.2742, 0.3585



Deuteranomaly

29.8844, 0.2692, 0.3340



Tritanomaly

32.3421, 0.2282, 0.3288

Monochromacy



Original Color

32.5065, 0.2363, 0.3707



Achromatopsia

18.4475, 0.3127, 0.3290



Achromatomaly

21.6404, 0.2600, 0.3449

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.5065, 0.2363, 0.3707 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, 174, 151)` looks like.

```
.text, #text, p{  
  color:rgb(0, 174, 151)  
}
```

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, 174, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 174, 151) }
```

Border

The CSS property to change the border of an element to Yxy 32.5065, 0.2363, 0.3707 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, 174, 151) }
```

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

```
.border{ border-color:rgb(0, 174, 151) }
```

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

Here you see how a box with a 4 pixel rgb(0, 174, 151) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 174, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 174, 151);  
box-shadow:4px 4px 4px 4px rgb(0, 174,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 32.5065, 0.2363, 0.3707 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 174, 151) }
```

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

```
.background{ background-color: rgb(0, 174,  
151) }
```

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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