

Converting Colors

$Y_{xy}(27.8135, 0.1526, 0.3650)$

Have a look what the booklet for
Yxy(27.8135, 0.1526, 0.3650)
contains.

Yxy(32.7064, 0.2332, 0.3593)	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(32.7064, 0.2332, 0.3593)

Conversions

Conversions Part 1

Format	Color
Hex	01AE9D
RGB	1, 174, 157
RGB Percent	0%, 68%, 62%
CMY	0.9975, 0.3177, 0.3843
CMYK	1.00, 0.00, 0.10, 0.32
HSL	174°, 99%, 34%
HSV	174°, 100%, 68%
XYZ	21.2278, 32.7064, 37.0940
YIQ	120.3350, -97.6510, -41.9630

Conversions

Conversions Part 2

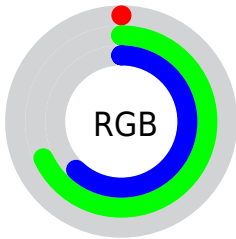
Format	Color
RYB	1, 92, 174
Decimal	110237
CIELab	63.92, -41.13, -1.89
CIElCh	64, 41.176, 182.625
Yxy	32.7064, 0.2332, 0.3593
Android (android.graphics.Color)	4278300317 (0xFF01AE9D)
YUV	120.3350, 18.0758, -104.6568
Hunter-Lab	57.1895, -33.8255, 1.5763

Details

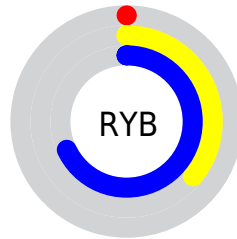
The Yxy color **32.7064, 0.2332, 0.3593** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.0540, 0.6274, 0.3234**, and the grayscale version is **18.8215, 0.3127, 0.3290**.

A 20% lighter version of the original color is **63.7836, 0.2490, 0.3539**, and **14.7154, 0.2352, 0.3667** is the 20% darker color. If you saturate the color by 10%, you get **32.7014, 0.2332, 0.3594**, and if you desaturate by 10%, it is **32.8911, 0.2340, 0.3560**.

Distribution



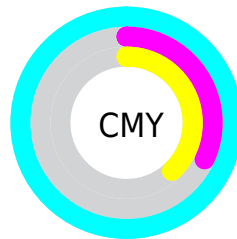
- Red (0%)
- Green (68%)
- Blue (62%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (10%)
- Black (32%)





- Cyan (100%)
- Magenta (32%)
- Yellow (38%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 32.7064, 0.2332, 0.3593 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 32.7064, 0.2332, 0.3593 by changing the saturation by 10% instead.

 32.7064, 0.2332,
0.3593

 32.7064, 0.2332,
0.3593


 314.3247, 0.2747,
0.3437

 21.9016, 0.2223,
0.3633


 63.9169, 0.2487,
0.3536

 13.7846, 0.2081,
0.3684


 85.0914, 0.2544,
0.3514

 7.9710, 0.1887,
0.3752


 110.4912, 0.2591,
0.3496

 4.0764, 0.1611,
0.3847

 140.5008, 0.2632,
0.3481

 1.7164, 0.1082,
0.4030

 175.5046, 0.2667,
0.3468

 0.4342, 0.0000,
0.4180

 215.8869, 0.2697,

 0.0000, 0.0000,

0.3456

0.0000

262.0321, 0.2724,
0.3446

■ 32.7064, 0.2332,
0.3593

■ 32.7064, 0.2332,
0.3593

■ 32.7014, 0.2332,
0.3594

■ 32.8911, 0.2340,
0.3560

■ 33.1866, 0.2362,
0.3527

■ 33.6344, 0.2402,
0.3494

■ 34.2539, 0.2461,
0.3461

■ 35.0618, 0.2539,
0.3428

■ 36.0730, 0.2633,
0.3397

■ 37.3005, 0.2742,
0.3367

■ 38.7565, 0.2864,
0.3339

■ 40.4523, 0.2995,
0.3313

Harmonies

Analogous

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



32.7064, 0.2855, 0.4206



32.7064, 0.2332, 0.3593



32.7064, 0.2036, 0.2945

Triad

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



32.7064, 0.2332, 0.3593



32.7064, 0.2677, 0.2336



32.7064, 0.4380, 0.3925

Complementary

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



32.7064, 0.2332, 0.3593



9.0540, 0.6274, 0.3234

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.



32.7064, 0.4355, 0.3436



32.7064, 0.2332, 0.3593



32.7064, 0.3308, 0.2572

Square

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



32.7064, 0.2332, 0.3593



32.7064, 0.2221, 0.2299



32.7064, 0.3947, 0.2960



32.7064, 0.4046, 0.4327

Rectangle

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



32.7064, 0.2332, 0.3593



32.7064, 0.1984, 0.2617



32.7064, 0.3947, 0.2960



32.7064, 0.4416, 0.3766

Sweetspot

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



32.7076, 0.2332, 0.3593



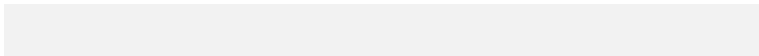
67.4500, 0.2732, 0.3370



30.3988, 0.3025, 0.5977



14.7794, 0.2685, 0.3382



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.



32.7076, 0.2332, 0.3593



59.3046, 0.2333, 0.3600



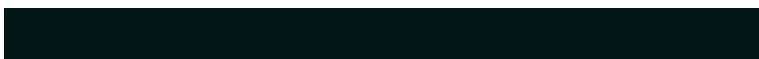
13.0918, 0.1872, 0.1935



9.0584, 0.2999, 0.3312



23.7258, 0.2331, 0.3591



0.6638, 0.2303, 0.3490

Inverse Universe

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



9.0540, 0.6274, 0.3234



16.3816, 0.6305, 0.3247



13.3769, 0.5680, 0.3868



8.0276, 0.3271, 0.3268



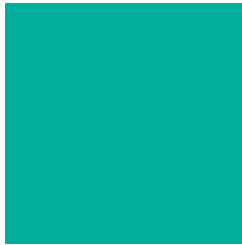
6.5606, 0.6265, 0.3225



0.1865, 0.5764, 0.2949

Previews

White Background



This preview shows how the Yxy color 32.7064, 0.2332, 0.3593 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 32.7064, 0.2332, 0.3593 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 32.7064, 0.2332, 0.3593

Background



This preview shows how black text looks on a background with the Yxy color 32.7064, 0.2332, 0.3593.

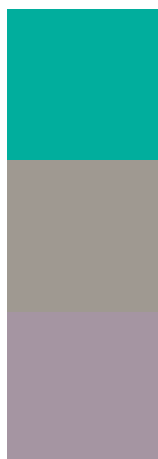


This preview shows how white text looks on a background with the Yxy color 32.7064, 0.2332, 0.3593.

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

32.7129, 0.2332, 0.3593

Protanopia

32.1977, 0.3264, 0.3412

Deuteranopia

32.1029, 0.3167, 0.3101



Tritanopia

32.7456, 0.2245, 0.3054

Trichromacy



Original Color

32.7129, 0.2332, 0.3593



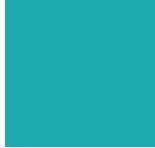
Protanomaly

30.4264, 0.2704, 0.3496



Deuteranomaly

29.9950, 0.2647, 0.3255



Tritanomaly

32.4287, 0.2263, 0.3236

Monochromacy



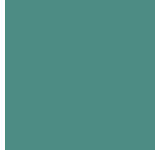
Original Color

32.7129, 0.2332, 0.3593



Achromatopsia

18.7821, 0.3127, 0.3290



Achromatomaly

22.0274, 0.2594, 0.3428

CSS Examples

Text

The CSS property to change the color of the text to Yxy 32.7064, 0.2332, 0.3593 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(1, 174, 157)` looks like.

```
.text, #text, p{  
    color:rgb(1, 174, 157)  
}
```

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(1, 174, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 174, 157) }
```

Border

The CSS property to change the border of an element to Yxy 32.7064, 0.2332, 0.3593 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(1, 174, 157) }
```

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

```
.border{ border-color:rgb(1, 174, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 174, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 174, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 174, 157);  
box-shadow:4px 4px 4px 4px rgb(1, 174,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 32.7064, 0.2332, 0.3593 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 174, 157) }
```

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

```
.background{ background-color: rgb(1, 174,  
157) }
```

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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