

Converting Colors

$Y_{xy}(32.7249, 0.2175, 0.3284)$

Have a look what the booklet for
Yxy(32.7249, 0.2175, 0.3284)
contains.

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Color

Yxy(33.3281, 0.2247, 0.3287)

Conversions

Conversions Part 1

Format	Color
Hex	01AEAE
RGB	1, 174, 174
RGB Percent	0%, 68%, 68%
CMY	0.9972, 0.3177, 0.3176
CMYK	1.00, 0.00, 0.00, 0.32
HSL	180°, 99%, 34%
HSV	180°, 100%, 68%
XYZ	22.7832, 33.3281, 45.2824
YIQ	122.2730, -103.1080, -36.6760

Conversions

Conversions Part 2

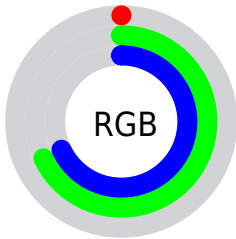
Format	Color
RYB	1, 88, 174
Decimal	110254
CIELab	64.43, -36.07, -10.62
CIELCh	64, 37.598, 196.409
Yxy	33.3281, 0.2247, 0.3287
Android (android.graphics.Color)	4278300334 (0xFF01AEAE)
YUV	122.2730, 25.5014, -106.3564
Hunter-Lab	57.7305, -30.5839, -6.0943

Details

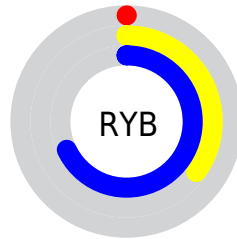
The Yxy color **33.3281, 0.2247, 0.3287** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.0174, 0.6393, 0.3300**, and the grayscale version is **19.4640, 0.3127, 0.3290**.

A 20% lighter version of the original color is **64.8474, 0.2417, 0.3301**, and **15.0799, 0.2240, 0.3264** is the 20% darker color. If you saturate the color by 10%, you get **33.3248, 0.2246, 0.3287**, and if you desaturate by 10%, it is **33.4553, 0.2263, 0.3287**.

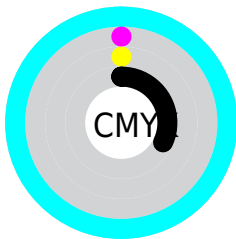
Distribution



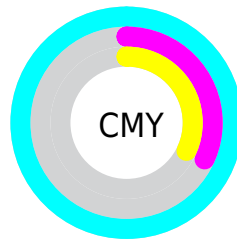
- Red (0%)
- Green (68%)
- Blue (68%)



- Red (0%)
- Yellow (35%)
- Blue (68%)



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





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

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.3281, 0.2247, 0.3287 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 33.3281, 0.2247, 0.3287 by changing the saturation by 10% instead.

 33.3281, 0.2247,
0.3287


 33.3281, 0.2247,
0.3287


 317.1256, 0.2699,
0.3302


 22.3779, 0.2132,
0.3278


 64.8874, 0.2413,
0.3296


 14.1348, 0.1983,
0.3263


 86.2654, 0.2475,
0.3298

 8.2145, 0.1785,
0.3236


 111.8880, 0.2527,
0.3300

 4.2325, 0.1509,
0.3184

 142.1397, 0.2571,
0.3301

 1.8045, 0.1088,
0.3080

 177.4050, 0.2610,
0.3301

 0.4900, 0.0000,
0.2721

 218.0681, 0.2643,

 0.0000, 0.0000,

0.3302

0.0000

264.5135, 0.2672,
0.3302

■ 33.3281, 0.2247,
0.3287

■ 33.3281, 0.2247,
0.3287

■ 33.3248, 0.2246,
0.3287

■ 33.4553, 0.2263,
0.3287

■ 33.6928, 0.2291,
0.3287

■ 34.0818, 0.2338,
0.3287

■ 34.6419, 0.2403,
0.3288

■ 35.3897, 0.2488,
0.3288

■ 36.3400, 0.2589,
0.3288

■ 37.5059, 0.2707,
0.3289

■ 38.8997, 0.2839,
0.3289

■ 40.5324, 0.2982,
0.3290

Harmonies

Analogous

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



33.3281, 0.2643, 0.3885



33.3281, 0.2247, 0.3287



33.3281, 0.2081, 0.2764

Triad

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



33.3281, 0.2247, 0.3287



33.3281, 0.2971, 0.2492



33.3281, 0.4167, 0.4065

Complementary

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



33.3281, 0.2247, 0.3287



9.0174, 0.6393, 0.3300

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.



33.3281, 0.4299, 0.3643



33.3281, 0.2247, 0.3287



33.3281, 0.3572, 0.2782

Square

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



33.3281, 0.2247, 0.3287



33.3281, 0.2466, 0.2370



33.3281, 0.4078, 0.3188



33.3281, 0.3753, 0.4335

Rectangle

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



33.3281, 0.2247, 0.3287



33.3281, 0.2106, 0.2531



33.3281, 0.4078, 0.3188



33.3281, 0.4248, 0.3934

Sweetspot

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



33.3293, 0.2247, 0.3287



67.8064, 0.2696, 0.3289



30.2831, 0.3000, 0.5997



14.8691, 0.2646, 0.3288



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.



33.3293, 0.2247, 0.3287



60.4380, 0.2246, 0.3287



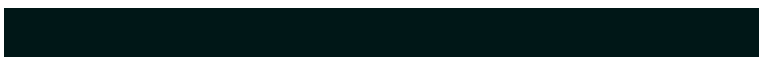
9.9355, 0.1777, 0.1592



9.0719, 0.2987, 0.3290



24.1669, 0.2246, 0.3287



0.6724, 0.2247, 0.3287

Inverse Universe

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



12.0710, 0.3209, 0.1543



21.8644, 0.3210, 0.1542



15.8761, 0.5392, 0.4096



8.1481, 0.3138, 0.3067



8.7427, 0.3210, 0.1542



0.2432, 0.3209, 0.1542

Previews

White Background



This preview shows how the Yxy color 33.3281, 0.2247, 0.3287 looks on a white background.

Color Contrast Check

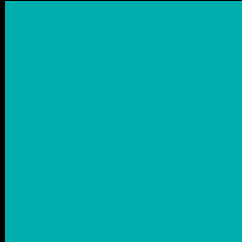
Large Text (above 18pt) WCAG AA × Fail

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 33.3281, 0.2247, 0.3287 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

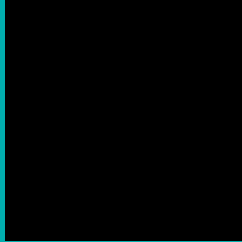
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 33.3281, 0.2247, 0.3287

Background



This preview shows how black text looks on a background with the Yxy color 33.3281, 0.2247, 0.3287.

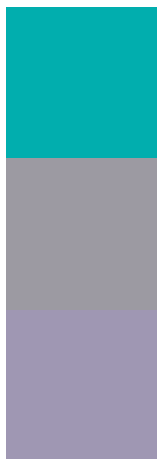


This preview shows how white text looks on a background with the Yxy color 33.3281, 0.2247, 0.3287.

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

33.3345, 0.2247, 0.3287

Protanopia

32.7878, 0.3074, 0.3171

Deuteranopia

32.7588, 0.2953, 0.2887



Tritanopia

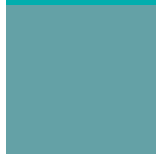
33.3415, 0.2216, 0.3055

Trichromacy



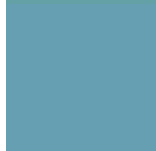
Original Color

33.3345, 0.2247, 0.3287



Protanomaly

30.9522, 0.2577, 0.3205



Deuteranomaly

30.7373, 0.2505, 0.2996



Tritanomaly

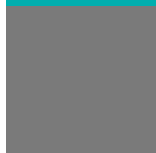
33.4133, 0.2222, 0.3136

Monochromacy



Original Color

33.3345, 0.2247, 0.3287



Achromatopsia

19.4618, 0.3127, 0.3290



Achromatomaly

22.5925, 0.2543, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.3281, 0.2247, 0.3287 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, 174)` looks like.

```
.text, #text, p{  
    color:rgb(1, 174, 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(1, 174, 174) colored shadow looks like.

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

Border

The CSS property to change the border of an element to Yxy 33.3281, 0.2247, 0.3287 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, 174) }
```

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

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

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, 174)` colored shadow looks like.

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


Background

The CSS property to change the background color of an element to Yxy 33.3281, 0.2247, 0.3287 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, 174) }
```

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

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