

Converting Colors

$Yxy(25.8394, 0.2262, 0.3343)$

Have a look what the booklet for
Yxy(25.8394, 0.2262, 0.3343)
contains.

Yxy(25.7097, 0.2263, 0.3345)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

$\text{Yxy}(25.7097, 0.2263, 0.3345)$

Conversions

Conversions Part 1

Format	Color
Hex	009B98
RGB	0, 155, 152
RGB Percent	0%, 61%, 60%
CMY	0.9983, 0.3922, 0.4039
CMYK	1.00, 0.00, 0.02, 0.39
HSL	179°, 99%, 30%
HSV	179°, 100%, 61%
XYZ	17.3934, 25.7097, 33.7570
YIQ	108.3130, -91.4170, -33.7930

Conversions

Conversions Part 2

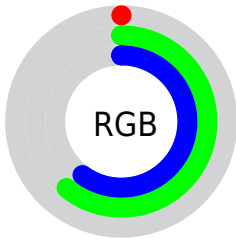
Format	Color
RYB	0, 78, 155
Decimal	39832
CIELab	57.76, -34.06, -8.19
CIELCh	58, 35.034, 193.518
Yxy	25.7097, 0.2263, 0.3345
Android (android.graphics.Color)	4278229912 (0xFF009B98)
YUV	108.3130, 21.5377, -94.9905
Hunter-Lab	50.7047, -27.5017, -3.9793

Details

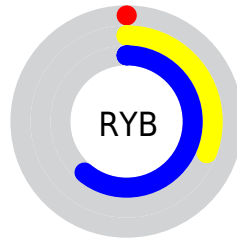
The Yxy color **25.7097, 0.2263, 0.3345** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.9847, 0.6370, 0.3286**, and the grayscale version is **15.0835, 0.3127, 0.3290**.

A 20% lighter version of the original color is **52.7736, 0.2440, 0.3344**, and **10.6401, 0.2262, 0.3343** is the 20% darker color. If you saturate the color by 10%, you get **25.7076, 0.2263, 0.3345**, and if you desaturate by 10%, it is **25.8272, 0.2279, 0.3339**.

Distribution



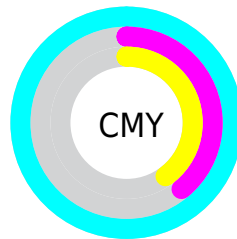
- Red (0%)
- Green (61%)
- Blue (60%)



- Red (0%)
- Yellow (31%)
- Blue (61%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (39%)




- Cyan (100%)
- Magenta (39%)
- Yellow (40%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 25.7097, 0.2263, 0.3345 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 25.7097, 0.2263, 0.3345 by changing the saturation by 10% instead.


 25.7097, 0.2263,
0.3345


 25.7097, 0.2263,
0.3345


281.3541, 0.2726,
0.3327


 16.6066, 0.2137,
0.3345


 52.8062, 0.2439,
0.3342


 9.9544, 0.1971,
0.3340


 71.5685, 0.2502,
0.3339

 5.3687, 0.1740,
0.3326

 94.3192, 0.2555,
0.3337

 2.4652, 0.1403,
0.3286

 121.4428, 0.2600,
0.3335

 0.8591, 0.0000,
0.3470

 153.3237, 0.2639,
0.3333

 0.0000, 0.0000,
0.0000

 190.3463, 0.2672,

0.3331

232.8950, 0.2701,
0.3329

■ 25.7097, 0.2263,
0.3345

■ 25.7097, 0.2263,
0.3345

■ 25.7076, 0.2263,
0.3345

■ 25.8272, 0.2279,
0.3339

■ 26.0255, 0.2307,
0.3333

■ 26.3400, 0.2353,
0.3327

■ 26.7852, 0.2418,
0.3321

■ 27.3737, 0.2501,
0.3315

■ 28.1165, 0.2601,
0.3309

■ 29.0234, 0.2716,
0.3304

■ 30.1037, 0.2845,
0.3299

■ 31.3657, 0.2984,
0.3294

Harmonies

Analogous

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



25.7097, 0.2684, 0.3948



25.7097, 0.2263, 0.3345



25.7097, 0.2072, 0.2798

Triad

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



25.7097, 0.2263, 0.3345



25.7097, 0.2912, 0.2461



25.7097, 0.4210, 0.4038

Complementary

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



25.7097, 0.2263, 0.3345



6.9847, 0.6370, 0.3286

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.



25.7097, 0.4311, 0.3602



25.7097, 0.2263, 0.3345



25.7097, 0.3520, 0.2740

Square

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



25.7097, 0.2263, 0.3345



25.7097, 0.2417, 0.2356



25.7097, 0.4054, 0.3143



25.7097, 0.3811, 0.4336

Rectangle

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



25.7097, 0.2263, 0.3345



25.7097, 0.2081, 0.2547



25.7097, 0.4054, 0.3143



25.7097, 0.4282, 0.3901

Sweetspot

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



25.7107, 0.2263, 0.3345



51.8309, 0.2706, 0.3304



23.4774, 0.3009, 0.5990



11.5815, 0.2659, 0.3306



78.7412, 0.3127, 0.3290



13.2868, 0.3127, 0.3290

Same Dimension

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



25.7107, 0.2263, 0.3345



46.0407, 0.2263, 0.3346



8.5347, 0.1811, 0.1717



7.0245, 0.2991, 0.3294



20.6512, 0.2262, 0.3345



0.3093, 0.2255, 0.3317

Inverse Universe

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



6.9847, 0.6370, 0.3286



12.4885, 0.6382, 0.3290



11.6761, 0.5477, 0.4029



6.2245, 0.3280, 0.3286



5.6031, 0.6372, 0.3284



0.0842, 0.6233, 0.3207

Previews

White Background



This preview shows how the Yxy color 25.7097, 0.2263, 0.3345 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

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 25.7097, 0.2263, 0.3345 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

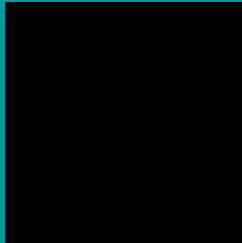
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.7097, 0.2263, 0.3345

Background



This preview shows how black text looks on a background with the Yxy color 25.7097, 0.2263, 0.3345.

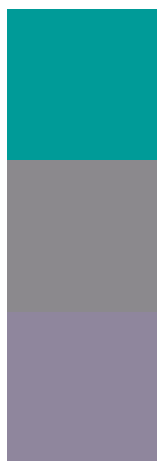


This preview shows how white text looks on a background with the Yxy color 25.7097, 0.2263, 0.3345.

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

25.7097, 0.2263, 0.3345

Protanopia

25.3034, 0.3108, 0.3223

Deuteranopia

25.3242, 0.2992, 0.2922



Tritanopia

25.7904, 0.2229, 0.3066

Trichromacy



Original Color

25.7097, 0.2263, 0.3345



Protanomaly

24.1147, 0.2604, 0.3270



Deuteranomaly

23.9367, 0.2538, 0.3052



Tritanomaly

25.7980, 0.2238, 0.3175

Monochromacy



Original Color

25.7097, 0.2263, 0.3345



Achromatopsia

14.9960, 0.3127, 0.3290



Achromatomaly

17.3877, 0.2556, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.7097, 0.2263, 0.3345 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, 155, 152)` looks like.

```
.text, #text, p{  
    color:rgb(0, 155, 152)  
}
```

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, 155, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 155, 152) }
```

Border

The CSS property to change the border of an element to Yxy 25.7097, 0.2263, 0.3345 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, 155, 152) }
```

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

```
.border{ border-color:rgb(0, 155, 152) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 155, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 155, 152); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 155, 152);  
box-shadow:4px 4px 4px 4px rgb(0, 155,  
152) }
```


Background

The CSS property to change the background color of an element to Yxy 25.7097, 0.2263, 0.3345 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 155, 152) }
```

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

```
.background{ background-color: rgb(0, 155,  
152) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor