

Converting Colors

$Yxy(21.7245, 0.1614, 0.3320)$

Have a look what the booklet for
Yxy(21.7245, 0.1614, 0.3320)
contains.

Yxy(25.0495, 0.2252, 0.3307)	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(25.0495, 0.2252, 0.3307)

Conversions

Conversions Part 1

Format	Color
Hex	009998
RGB	0, 153, 152
RGB Percent	0%, 60%, 60%
CMY	1.0000, 0.4000, 0.4039
CMYK	1.00, 0.00, 0.01, 0.40
HSL	180°, 100%, 30%
HSV	180°, 100%, 60%
XYZ	17.0582, 25.0495, 33.6392
YIQ	107.1390, -90.8670, -32.7470

Conversions

Conversions Part 2

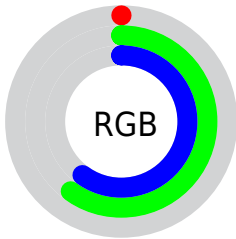
Format	Color
RYB	0, 77, 153
Decimal	39320
CIELab	57.12, -33.15, -9.13
CIELCh	57, 34.388, 195.396
Yxy	25.0495, 0.2252, 0.3307
Android (android.graphics.Color)	4278229400 (0xFF009998)
YUV	107.1390, 22.1165, -93.9609
Hunter-Lab	50.0495, -26.7490, -4.8153

Details

The Yxy color **25.0495, 0.2252, 0.3307** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.7750, 0.6392, 0.3295**, and the grayscale version is **14.7008, 0.3127, 0.3290**.

A 20% lighter version of the original color is **51.7921, 0.2434, 0.3316**, and **10.2469, 0.2247, 0.3287** is the 20% darker color. If you saturate the color by 10%, you get **25.0504, 0.2252, 0.3307**, and if you desaturate by 10%, it is **25.1578, 0.2269, 0.3305**.

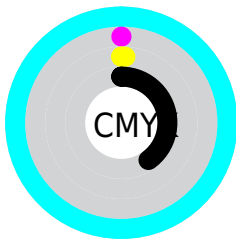
Distribution



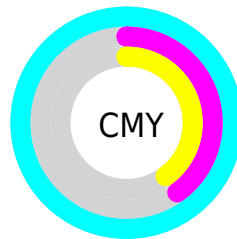
- Red (0%)
- Green (60%)
- Blue (60%)



- Red (0%)
- Yellow (30%)
- Blue (60%)



- Cyan (100%)
- Magenta (0%)
- Yellow (1%)
- Black (40%)



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

Brightness & Saturation Gradients


These gradients show how the Yxy color 25.0495, 0.2252, 0.3307 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 25.0495, 0.2252, 0.3307 by changing the saturation by 10% instead.


 25.0495, 0.2252,
0.3307


 25.0495, 0.2252,
0.3307


278.0844, 0.2722,
0.3311

 16.1139, 0.2124,
0.3300


 51.7375, 0.2431,
0.3312

 9.6048, 0.1954,
0.3287


 70.2588, 0.2495,
0.3313

 5.1377, 0.1718,
0.3259

 92.7440, 0.2549,
0.3313

 2.3283, 0.1375,
0.3196

 119.5777, 0.2595,
0.3313

 0.7886, 0.0000,
0.3300

 151.1442, 0.2633,
0.3312

 0.0000, 0.0000,
0.0000

 187.8278, 0.2667,

0.3312

230.0131, 0.2696,
0.3311

■ 25.0495, 0.2252,
0.3307

■ 25.0495, 0.2252,
0.3307

■ 25.0504, 0.2252,
0.3307

■ 25.1578, 0.2269,
0.3305

■ 25.3422, 0.2298,
0.3303

■ 25.6390, 0.2344,
0.3301

■ 26.0623, 0.2409,
0.3299

■ 26.6244, 0.2492,
0.3297

■ 27.3357, 0.2592,
0.3296

■ 28.2062, 0.2709,
0.3294

■ 29.2445, 0.2838,
0.3293

■ 30.4588, 0.2979,
0.3291

Harmonies

Analogous

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



25.0495, 0.2657, 0.3907



25.0495, 0.2252, 0.3307



25.0495, 0.2077, 0.2776

Triad

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



25.0495, 0.2252, 0.3307



25.0495, 0.2951, 0.2480



25.0495, 0.4182, 0.4056

Complementary

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



25.0495, 0.2252, 0.3307



6.7750, 0.6392, 0.3295

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.



25.0495, 0.4304, 0.3629



25.0495, 0.2252, 0.3307



25.0495, 0.3554, 0.2767

Square

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



25.0495, 0.2252, 0.3307



25.0495, 0.2449, 0.2365



25.0495, 0.4071, 0.3173



25.0495, 0.3774, 0.4336

Rectangle

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



25.0495, 0.2252, 0.3307



25.0495, 0.2097, 0.2536



25.0495, 0.4071, 0.3173



25.0495, 0.4260, 0.3923

Sweetspot

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



25.0504, 0.2252, 0.3307



50.4103, 0.2701, 0.3294



22.8001, 0.3004, 0.5996



10.9924, 0.2655, 0.3295



76.7769, 0.3127, 0.3290



12.5967, 0.3127, 0.3290

Same Dimension

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



25.0504, 0.2252, 0.3307



44.8591, 0.2252, 0.3307



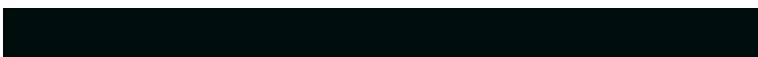
7.9000, 0.1794, 0.1657



7.0259, 0.2990, 0.3291



20.7029, 0.2252, 0.3307



0.3097, 0.2249, 0.3298

Inverse Universe

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



6.7750, 0.6392, 0.3295



12.1313, 0.6394, 0.3296



11.6642, 0.5434, 0.4067



6.2233, 0.3282, 0.3289



5.5992, 0.6391, 0.3294



0.0839, 0.6342, 0.3267

Previews

White Background



This preview shows how the Yxy color 25.0495, 0.2252, 0.3307 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 25.0495, 0.2252, 0.3307 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

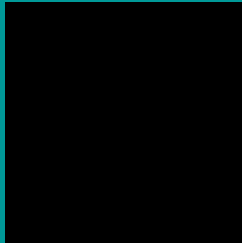
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 25.0495, 0.2252, 0.3307

Background



This preview shows how black text looks on a background with the Yxy color 25.0495, 0.2252, 0.3307.

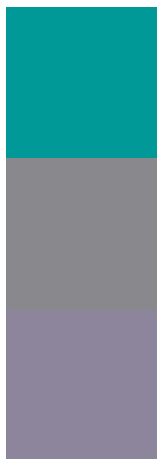


This preview shows how white text looks on a background with the Yxy color 25.0495, 0.2252, 0.3307.

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

25.0495, 0.2252, 0.3307

Protanopia

24.8498, 0.3087, 0.3206

Deuteranopia

24.7508, 0.2970, 0.2917



Tritanopia

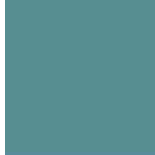
25.0748, 0.2219, 0.3045

Trichromacy



Original Color

25.0495, 0.2252, 0.3307



Protanomaly

23.4166, 0.2583, 0.3232



Deuteranomaly

23.2466, 0.2517, 0.3014



Tritanomaly

25.1231, 0.2225, 0.3136

Monochromacy



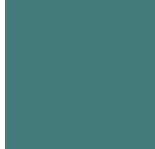
Original Color

25.0495, 0.2252, 0.3307



Achromatopsia

14.7027, 0.3127, 0.3290



Achromatomaly

17.0743, 0.2553, 0.3310

CSS Examples

Text

The CSS property to change the color of the text to Yxy 25.0495, 0.2252, 0.3307 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, 153, 152)` looks like.

```
.text, #text, p{  
    color:rgb(0, 153, 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, 153, 152) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 153, 152) }
```

Border

The CSS property to change the border of an element to Yxy 25.0495, 0.2252, 0.3307 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, 153, 152) }
```

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

```
.border{ border-color:rgb(0, 153, 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, 153, 152)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(0, 153, 152); -webkit-box-shadow:4px 4px 4px 4px rgb(0, 153, 152); box-shadow:4px 4px 4px 4px rgb(0, 153, 152) }
```


Background

The CSS property to change the background color of an element to Yxy 25.0495, 0.2252, 0.3307 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 153, 152) }
```

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

```
.background{ background-color: rgb(0, 153,  
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