

Converting Colors

$Yxy(22.2754, 0.1217, 0.3348)$

Have a look what the booklet for
Yxy(22.2754, 0.1217, 0.3348)
contains.

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Color

Yxy(27.9584, 0.2262, 0.3343)

Conversions

Conversions Part 1

Format	Color
Hex	00A19E
RGB	0, 161, 158
RGB Percent	0%, 63%, 62%
CMY	1.0000, 0.3686, 0.3803
CMYK	1.00, 0.00, 0.02, 0.37
HSL	179°, 100%, 32%
HSV	179°, 100%, 63%
XYZ	18.9177, 27.9584, 36.7566
YIQ	112.5190, -94.9930, -35.0650

Conversions

Conversions Part 2

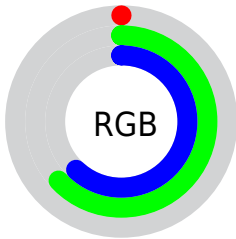
Format	Color
RYB	0, 81, 161
Decimal	41374
CIELab	59.85, -35.01, -8.48
CIELCh	60, 36.026, 193.615
Yxy	27.9584, 0.2262, 0.3343
Android (android.graphics.Color)	4278231454 (0xFF00A19E)
YUV	112.5190, 22.4221, -98.6792
Hunter-Lab	52.8757, -28.6693, -4.2025

Details

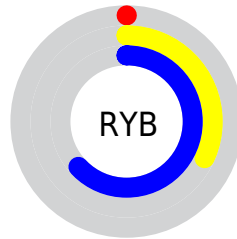
The Yxy color **27.9584, 0.2262, 0.3343** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **7.5839, 0.6378, 0.3287**, and the grayscale version is **16.3190, 0.3127, 0.3290**.

A 20% lighter version of the original color is **56.2430, 0.2431, 0.3329**, and **11.9988, 0.2261, 0.3341** is the 20% darker color. If you saturate the color by 10%, you get **27.9594, 0.2262, 0.3343**, and if you desaturate by 10%, it is **28.0808, 0.2277, 0.3337**.

Distribution



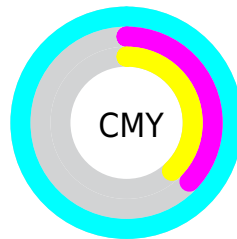
- Red (0%)
- Green (63%)
- Blue (62%)



- Red (0%)
- Yellow (32%)
- Blue (63%)



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (37%)




- Cyan (100%)
- Magenta (37%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 27.9584, 0.2262, 0.3343 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 27.9584, 0.2262, 0.3343 by changing the saturation by 10% instead.


 27.9584, 0.2262,
0.3343


 27.9584, 0.2262,
0.3343


 292.2681, 0.2720,
0.3327


 18.2943, 0.2140,
0.3342


 56.4180, 0.2434,
0.3340


 11.1615, 0.1980,
0.3338


 75.9823, 0.2497,
0.3338


 6.1756, 0.1761,
0.3325

 99.6155, 0.2549,
0.3336

 2.9521, 0.1446,
0.3288

 127.7019, 0.2594,
0.3334

 1.1068, 0.0548,
0.3333

 160.6260, 0.2632,
0.3332

 0.0000, 0.0000,
0.0000

 198.7721, 0.2665,

0.3330

242.5247, 0.2694,
0.3328

■ 27.9584, 0.2262,
0.3343

■ 27.9584, 0.2262,
0.3343

■ 27.9594, 0.2262,
0.3343

■ 28.0808, 0.2277,
0.3337

■ 28.2904, 0.2305,
0.3331

■ 28.6262, 0.2350,
0.3326

■ 29.1044, 0.2414,
0.3320

■ 29.7387, 0.2496,
0.3314

■ 30.5414, 0.2596,
0.3309

■ 31.5233, 0.2711,
0.3304

■ 32.6945, 0.2840,
0.3299

■ 34.0642, 0.2980,
0.3294

Harmonies

Analogous

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



27.9584, 0.2683, 0.3946



27.9584, 0.2262, 0.3343



27.9584, 0.2071, 0.2797

Triad

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



27.9584, 0.2262, 0.3343



27.9584, 0.2914, 0.2461



27.9584, 0.4209, 0.4040

Complementary

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



27.9584, 0.2262, 0.3343



7.5839, 0.6378, 0.3287

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.



27.9584, 0.4312, 0.3603



27.9584, 0.2262, 0.3343



27.9584, 0.3522, 0.2741

Square

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



27.9584, 0.2262, 0.3343



27.9584, 0.2418, 0.2356



27.9584, 0.4055, 0.3145



27.9584, 0.3809, 0.4337

Rectangle

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



27.9584, 0.2262, 0.3343



27.9584, 0.2081, 0.2546



27.9584, 0.4055, 0.3145



27.9584, 0.4281, 0.3903

Sweetspot

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



27.9594, 0.2262, 0.3343



56.3461, 0.2704, 0.3304



25.5247, 0.3008, 0.5993



12.1984, 0.2657, 0.3306



80.7346, 0.3127, 0.3290



13.9985, 0.3127, 0.3290

Same Dimension

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



27.9594, 0.2262, 0.3343



50.0690, 0.2262, 0.3344



9.2083, 0.1808, 0.1707



8.0090, 0.2990, 0.3294



22.3308, 0.2262, 0.3343



0.4699, 0.2256, 0.3321

Inverse Universe

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



7.5839, 0.6378, 0.3287



13.5784, 0.6384, 0.3290



12.6281, 0.5488, 0.4024



7.0880, 0.3282, 0.3286



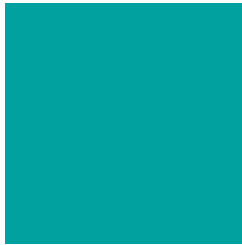
6.0575, 0.6375, 0.3285



0.1279, 0.6252, 0.3218

Previews

White Background



This preview shows how the Yxy color 27.9584, 0.2262, 0.3343 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 27.9584, 0.2262, 0.3343 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

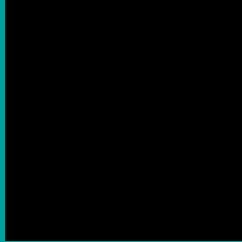
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 27.9584, 0.2262, 0.3343

Background



This preview shows how black text looks on a background with the Yxy color 27.9584, 0.2262, 0.3343.

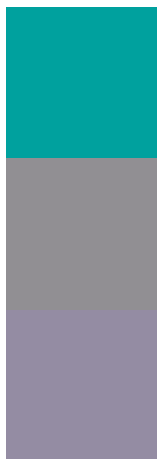


This preview shows how white text looks on a background with the Yxy color 27.9584, 0.2262, 0.3343.

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

27.9584, 0.2262, 0.3343

Protanopia

27.7712, 0.3109, 0.3226

Deuteranopia

27.6964, 0.2987, 0.2934



Tritanopia

28.0819, 0.2224, 0.3056

Trichromacy



Original Color

27.9584, 0.2262, 0.3343



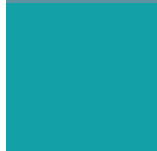
Protanomaly

26.3224, 0.2597, 0.3270



Deuteranomaly

26.1327, 0.2534, 0.3060



Tritanomaly

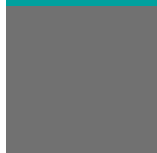
28.0804, 0.2232, 0.3160

Monochromacy



Original Color

27.9584, 0.2262, 0.3343



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

18.9280, 0.2556, 0.3309

CSS Examples

Text

The CSS property to change the color of the text to Yxy 27.9584, 0.2262, 0.3343 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, 161, 158)` looks like.

```
.text, #text, p{  
    color:rgb(0, 161, 158)  
}
```

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, 161, 158) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 161, 158) }
```

Border

The CSS property to change the border of an element to Yxy 27.9584, 0.2262, 0.3343 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, 161, 158) }
```

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

```
.border{ border-color:rgb(0, 161, 158) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 161, 158)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 161, 158); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 161, 158);  
box-shadow:4px 4px 4px 4px rgb(0, 161,  
158) }
```


Background

The CSS property to change the background color of an element to Yxy 27.9584, 0.2262, 0.3343 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 161, 158) }
```

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

```
.background{ background-color: rgb(0, 161,  
158) }
```

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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