

Converting Colors

$Yxy(21.9443, 0.2317, 0.3541)$

Have a look what the booklet for
Yxy(21.9443, 0.2317, 0.3541)
contains.

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Color

Yxy(21.9443, 0.2317, 0.3541)

Conversions

Conversions Part 1

Format	Color
Hex	009185
RGB	0, 145, 133
RGB Percent	0%, 57%, 52%
CMY	1.0000, 0.4314, 0.4784
CMYK	1.00, 0.00, 0.08, 0.43
HSL	175°, 100%, 28%
HSV	175°, 100%, 57%
XYZ	14.3589, 21.9443, 25.6688
YIQ	100.2770, -82.5680, -34.4720

Conversions

Conversions Part 2

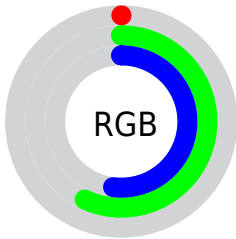
Format	Color
RYB	0, 76, 145
Decimal	37253
CIELab	53.97, -35.29, -2.92
CIELCh	54, 35.410, 184.724
Yxy	21.9443, 0.2317, 0.3541
Android (android.graphics.Color)	4278227333 (0xFF009185)
YUV	100.2770, 16.1324, -87.9429
Hunter-Lab	46.8447, -27.2642, 0.3031

Details

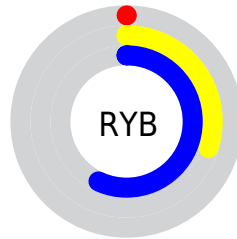
The Yxy color **21.9443, 0.2317, 0.3541** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **6.0468, 0.6285, 0.3236**, and the grayscale version is **12.7933, 0.3127, 0.3290**.

A 20% lighter version of the original color is **46.8800, 0.2495, 0.3497**, and **8.6455, 0.2334, 0.3601** is the 20% darker color. If you saturate the color by 10%, you get **21.9451, 0.2317, 0.3541**, and if you desaturate by 10%, it is **22.0759, 0.2329, 0.3514**.

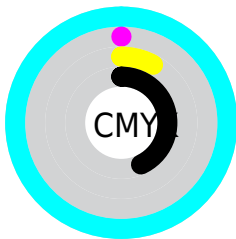
Distribution



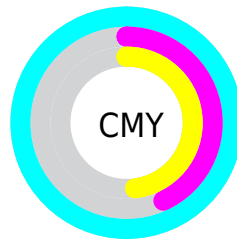
- Red (0%)
- Green (57%)
- Blue (52%)



- Red (0%)
- Yellow (30%)
- Blue (57%)



- Cyan (100%)
- Magenta (0%)
- Yellow (8%)
- Black (43%)




- Cyan (100%)
- Magenta (43%)
- Yellow (48%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 21.9443, 0.2317, 0.3541 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 21.9443, 0.2317, 0.3541 by changing the saturation by 10% instead.


 21.9443, 0.2317,
0.3541


 21.9443, 0.2317,
0.3541


262.2553, 0.2766,
0.3406


 13.8160, 0.2189,
0.3577


 46.6539, 0.2491,
0.3490

 7.9928, 0.2014,
0.3625


 64.0040, 0.2553,
0.3472

 4.0903, 0.1763,
0.3689

 85.1968, 0.2604,
0.3456

 1.7242, 0.1338,
0.3793

 110.6167, 0.2647,
0.3443

 0.4393, 0.0000,
0.3917

 140.6481, 0.2684,
0.3432

 0.0000, 0.0000,
0.0000

 175.6754, 0.2715,

0.3422

216.0830, 0.2742,
0.3414

■ 21.9443, 0.2317,
0.3541

■ 21.9443, 0.2317,
0.3541

■ 21.9451, 0.2317,
0.3541

■ 22.0759, 0.2329,
0.3514

■ 22.2735, 0.2353,
0.3487

■ 22.5710, 0.2395,
0.3459

■ 22.9807, 0.2456,
0.3432

■ 23.5132, 0.2534,
0.3405

■ 24.1778, 0.2628,
0.3379

■ 24.9830, 0.2738,
0.3355

■ 25.9365, 0.2859,
0.3331

■ 27.0456, 0.2990,
0.3310

Harmonies

Analogous

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



21.9443, 0.2819, 0.4154



21.9443, 0.2317, 0.3541



21.9443, 0.2042, 0.2913

Triad

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



21.9443, 0.2317, 0.3541



21.9443, 0.2724, 0.2360



21.9443, 0.4347, 0.3949

Complementary

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



21.9443, 0.2317, 0.3541



6.0468, 0.6285, 0.3236

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.



21.9443, 0.4348, 0.3470



21.9443, 0.2317, 0.3541



21.9443, 0.3352, 0.2605

Square

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



21.9443, 0.2317, 0.3541



21.9443, 0.2260, 0.2310



21.9443, 0.3970, 0.2997



21.9443, 0.3999, 0.4331

Rectangle

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



21.9443, 0.2317, 0.3541



21.9443, 0.2003, 0.2601



21.9443, 0.3970, 0.2997



21.9443, 0.4390, 0.3794

Sweetspot

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



21.9451, 0.2317, 0.3541



44.6403, 0.2730, 0.3356



20.3305, 0.3024, 0.5981



9.8051, 0.2688, 0.3365



72.9347, 0.3127, 0.3290



11.2805, 0.3127, 0.3290

Same Dimension

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



21.9451, 0.2317, 0.3541



39.2865, 0.2319, 0.3547



8.4769, 0.1859, 0.1893



6.1087, 0.3001, 0.3308



18.8241, 0.2317, 0.3539



0.1814, 0.2279, 0.3404

Inverse Universe

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



6.0468, 0.6285, 0.3236



10.8168, 0.6312, 0.3251



9.2962, 0.5617, 0.3922



5.4309, 0.3269, 0.3272



5.1879, 0.6276, 0.3231



0.0508, 0.5745, 0.2938

Previews

White Background



This preview shows how the Yxy color 21.9443, 0.2317, 0.3541 looks on a white background.

Color Contrast Check

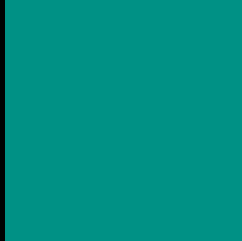
Large Text (above 18pt) WCAG AA ✓ Pass

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 21.9443, 0.2317, 0.3541 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

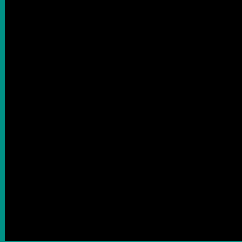
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 21.9443, 0.2317, 0.3541

Background



This preview shows how black text looks on a background with the Yxy color 21.9443, 0.2317, 0.3541.

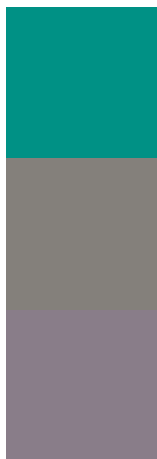


This preview shows how white text looks on a background with the Yxy color 21.9443, 0.2317, 0.3541.

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

21.9443, 0.2317, 0.3541

Protanopia

21.7739, 0.3230, 0.3380

Deuteranopia

21.7917, 0.3137, 0.3084



Tritanopia

22.0364, 0.2243, 0.3052

Trichromacy



Original Color

21.9443, 0.2317, 0.3541

Protanomaly

20.4673, 0.2684, 0.3430

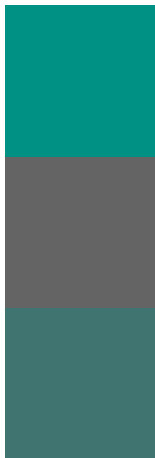
Deuteranomaly

20.3063, 0.2628, 0.3210

Tritanomaly

21.8908, 0.2261, 0.3227

Monochromacy



Original Color

21.9443, 0.2317, 0.3541

Achromatopsia

12.7438, 0.3127, 0.3290

Achromatomaly

14.7506, 0.2587, 0.3382

CSS Examples

Text

The CSS property to change the color of the text to Yxy 21.9443, 0.2317, 0.3541 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, 145, 133)` looks like.

```
.text, #text, p{  
  color:rgb(0, 145, 133)  
}
```

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, 145, 133) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 145, 133) }
```

Border

The CSS property to change the border of an element to Yxy 21.9443, 0.2317, 0.3541 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, 145, 133) }
```

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

```
.border{ border-color:rgb(0, 145, 133) }
```

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

Here you see how a box with a 4 pixel rgb(0, 145, 133) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 145, 133); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 145, 133);  
box-shadow:4px 4px 4px 4px rgb(0, 145,  
133) }
```


Background

The CSS property to change the background color of an element to Yxy 21.9443, 0.2317, 0.3541 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 145, 133) }
```

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

```
.background{ background-color: rgb(0, 145,  
133) }
```

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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