

Converting Colors

$Yxy(23.4050, 0.1256, 0.3778)$

Have a look what the booklet for
Yxy(23.4050, 0.1256, 0.3778)
contains.

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Color

Yxy(28.9546, 0.2353, 0.3669)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 00A591 |
| RGB | 0, 165, 145 |
| RGB Percent | 0%, 65%, 57% |
| CMY | 0.9983, 0.3530, 0.4314 |
| CMYK | 1.00, 0.00, 0.12, 0.35 |
| HSL | 173°, 99%, 32% |
| HSV | 173°, 100%, 65% |
| XYZ | 18.5691, 28.9546, 31.3931 |
| YIQ | 113.3850, -91.9200, -41.2000 |

Conversions

Conversions Part 2

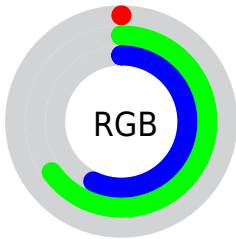
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 0, 88, 165 |
| Decimal | 42385 |
| CIELab | 60.74, -40.66, 0.19 |
| CIELCh | 61, 40.656, 179.736 |
| Yxy | 28.9546, 0.2353, 0.3669 |
| Android (android.graphics.Color) | 4278232465 (0xFF00A591) |
| YUV | 113.3850, 15.5862, -99.4386 |
| Hunter-Lab | 53.8095, -32.5679, 3.0761 |

Details

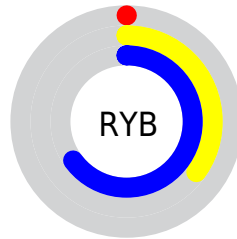
The Yxy color **28.9546, 0.2353, 0.3669** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.0607, 0.6229, 0.3208**, and the grayscale version is **16.6477, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1117, 0.2508, 0.3592**, and **12.4146, 0.2376, 0.3753** is the 20% darker color. If you saturate the color by 10%, you get **28.9512, 0.2353, 0.3670**, and if you desaturate by 10%, it is **29.1339, 0.2360, 0.3628**.

Distribution



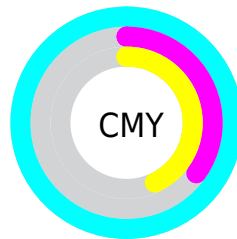
- Red (0%)
- Green (65%)
- Blue (57%)



- Red (0%)
- Yellow (35%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (12%)
- Black (35%)




- Cyan (100%)
- Magenta (35%)
- Yellow (43%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 28.9546, 0.2353, 0.3669 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 28.9546, 0.2353, 0.3669 by changing the saturation by 10% instead.


 28.9546, 0.2353,
0.3669


 28.9546, 0.2353,
0.3669


 297.0007, 0.2767,
0.3466


 19.0465, 0.2241,
0.3724


 58.0049, 0.2510,
0.3592


 11.7039, 0.2092,
0.3797


 77.9160, 0.2567,
0.3564


 6.5424, 0.1885,
0.3899


 101.9301, 0.2614,
0.3541

 3.1776, 0.1580,
0.4049

 130.4316, 0.2654,
0.3521

 1.2251, 0.0514,
0.4570

 163.8051, 0.2688,
0.3505

 0.0821, 0.0000,
0.5183

 202.4348, 0.2718,

 0.0000, 0.0000,

0.3490

0.0000

246.7052, 0.2744,
0.3478

■ 28.9546, 0.2353,
0.3669

■ 28.9546, 0.2353,
0.3669

■ 28.9512, 0.2353,
0.3670

■ 29.1339, 0.2360,
0.3628

■ 29.4095, 0.2380,
0.3586

■ 29.8201, 0.2419,
0.3544

■ 30.3829, 0.2477,
0.3503

■ 31.1125, 0.2552,
0.3462

■ 32.0217, 0.2644,
0.3423

■ 33.1222, 0.2751,
0.3386

■ 34.4247, 0.2869,
0.3351

■ 35.9389, 0.2997,
0.3319

Harmonies

Analogous

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



28.9546, 0.2906, 0.4281



28.9546, 0.2353, 0.3669



28.9546, 0.2026, 0.2991

Triad

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



28.9546, 0.2353, 0.3669



28.9546, 0.2610, 0.2300



28.9546, 0.4429, 0.3891

Complementary

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



28.9546, 0.2353, 0.3669



8.0607, 0.6229, 0.3208

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.



28.9546, 0.4365, 0.3388



28.9546, 0.2353, 0.3669



28.9546, 0.3246, 0.2523

Square

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



28.9546, 0.2353, 0.3669



28.9546, 0.2166, 0.2282



28.9546, 0.3913, 0.2908



28.9546, 0.4114, 0.4321

Rectangle

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



28.9546, 0.2353, 0.3669



28.9546, 0.1956, 0.2639



28.9546, 0.3913, 0.2908



28.9546, 0.4454, 0.3726

Sweetspot

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



28.9557, 0.2353, 0.3669



59.1478, 0.2742, 0.3389



27.0848, 0.3039, 0.5967



12.7524, 0.2698, 0.3404



82.7571, 0.3127, 0.3290



14.7319, 0.3127, 0.3290

Same Dimension

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



28.9557, 0.2353, 0.3669



51.8320, 0.2355, 0.3678



12.7536, 0.1905, 0.2057



7.9964, 0.3003, 0.3317



21.9080, 0.2352, 0.3666



0.4642, 0.2310, 0.3515

Inverse Universe

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



8.0607, 0.6229, 0.3208



14.4010, 0.6264, 0.3224



11.3140, 0.5767, 0.3799



7.0993, 0.3267, 0.3263



6.0942, 0.6218, 0.3199



0.1319, 0.5565, 0.2839

Previews

White Background



This preview shows how the Yxy color 28.9546, 0.2353, 0.3669 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 28.9546, 0.2353, 0.3669 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

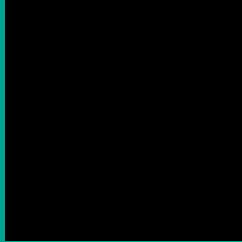
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9546, 0.2353, 0.3669

Background



This preview shows how black text looks on a background with the Yxy color 28.9546, 0.2353, 0.3669.

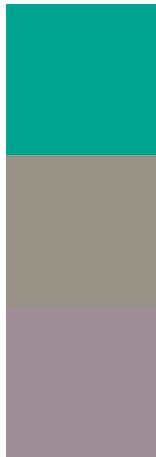


This preview shows how white text looks on a background with the Yxy color 28.9546, 0.2353, 0.3669.

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

28.9546, 0.2353, 0.3669

Protanopia

28.5513, 0.3301, 0.3466

Deuteranopia

28.5209, 0.3220, 0.3152



Tritanopia

29.0812, 0.2254, 0.3060

Trichromacy



Original Color

28.9546, 0.2353, 0.3669



Protanomaly

26.7782, 0.2732, 0.3545



Deuteranomaly

26.7175, 0.2690, 0.3324



Tritanomaly

28.7319, 0.2277, 0.3269

Monochromacy



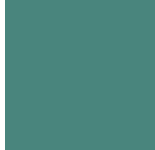
Original Color

28.9546, 0.2353, 0.3669



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.6722, 0.2606, 0.3456

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9546, 0.2353, 0.3669 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, 165, 145)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 145)  
}
```

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, 165, 145) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 145) }
```

Border

The CSS property to change the border of an element to Yxy 28.9546, 0.2353, 0.3669 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, 165, 145) }
```

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

```
.border{ border-color:rgb(0, 165, 145) }
```

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

Here you see how a box with a 4 pixel rgb(0, 165, 145) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 145); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 145);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
145) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9546, 0.2353, 0.3669 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 145) }
```

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

```
.background{ background-color: rgb(0, 165,  
145) }
```

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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