

Converting Colors

$Yxy(29.8745, 0.2423, 0.3922)$

Have a look what the booklet for
Yxy(29.8745, 0.2423, 0.3922)
contains.

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Color

Yxy(29.7545, 0.2423, 0.3924)

Conversions

Conversions Part 1

Format	Color
Hex	00A887
RGB	0, 168, 135
RGB Percent	0%, 66%, 53%
CMY	1.0000, 0.3411, 0.4705
CMYK	1.00, 0.00, 0.20, 0.34
HSL	168°, 100%, 33%
HSV	168°, 100%, 66%
XYZ	18.3729, 29.7545, 27.6996
YIQ	114.0060, -89.5350, -45.8790

Conversions

Conversions Part 2

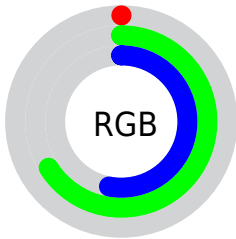
Format	Color
RYB	0, 93, 168
Decimal	43143
CIELab	61.44, -44.70, 6.79
CIELCh	61, 45.213, 171.358
Yxy	29.7545, 0.2423, 0.3924
Android (android.graphics.Color)	4278233223 (0xFF00A887)
YUV	114.0060, 10.3500, -99.9833
Hunter-Lab	54.5477, -35.3357, 8.0756

Details

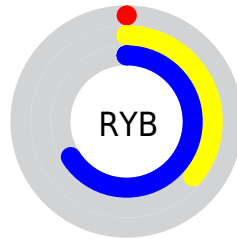
The Yxy color **29.7545, 0.2423, 0.3924** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.4355, 0.6069, 0.3117**, and the grayscale version is **16.8194, 0.3127, 0.3290**.

A 20% lighter version of the original color is **59.2175, 0.2569, 0.3790**, and **12.9173, 0.2477, 0.4118** is the 20% darker color. If you saturate the color by 10%, you get **29.7579, 0.2423, 0.3924**, and if you desaturate by 10%, it is **29.9696, 0.2423, 0.3854**.

Distribution



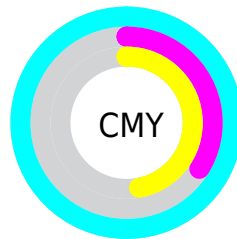
- Red (0%)
- Green (66%)
- Blue (53%)



- Red (0%)
- Yellow (36%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (20%)
- Black (34%)



- Cyan (100%)
- Magenta (34%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 29.7545, 0.2423, 0.3924 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 29.7545, 0.2423, 0.3924 by changing the saturation by 10% instead.


 29.7545, 0.2423,
0.3924


 29.7545, 0.2423,
0.3924


300.7584, 0.2804,
0.3574

 19.6523, 0.2318,
0.4024


 59.2737, 0.2569,
0.3788


 12.1426, 0.2177,
0.4162


 79.4595, 0.2621,
0.3739

 6.8408, 0.1978,
0.4361


 103.7754, 0.2665,
0.3699

 3.3628, 0.1679,
0.4675

 132.6056, 0.2701,
0.3666

 1.3239, 0.0482,
0.5656

 166.3346, 0.2732,
0.3638

 0.1596, 0.0000,
1.0000

 205.3469, 0.2759,

 0.0000, 0.0000,

0.3613

0.0000

250.0267, 0.2783,
0.3592

■ 29.7545, 0.2423,
0.3924

■ 29.7545, 0.2423,
0.3924

■ 29.7579, 0.2423,
0.3924

■ 29.9696, 0.2423,
0.3854

■ 30.2830, 0.2437,
0.3783

■ 30.7383, 0.2469,
0.3713

■ 31.3536, 0.2521,
0.3643

■ 32.1443, 0.2590,
0.3575

■ 33.1239, 0.2676,
0.3510

■ 34.3047, 0.2775,
0.3449

■ 35.6978, 0.2885,
0.3391

■ 37.3135, 0.3003,
0.3338

Harmonies

Analogous

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



29.7545, 0.3070, 0.4518



29.7545, 0.2423, 0.3924



29.7545, 0.1996, 0.3147

Triad

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



29.7545, 0.2423, 0.3924



29.7545, 0.2400, 0.2185



29.7545, 0.4583, 0.3779

Complementary

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



29.7545, 0.2423, 0.3924



8.4355, 0.6069, 0.3117

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.



29.7545, 0.4392, 0.3235



29.7545, 0.2423, 0.3924



29.7545, 0.3045, 0.2369

Square

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



29.7545, 0.2423, 0.3924



29.7545, 0.1993, 0.2231



29.7545, 0.3797, 0.2740



29.7545, 0.4333, 0.4291

Rectangle

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



29.7545, 0.2423, 0.3924



29.7545, 0.1870, 0.2714



29.7545, 0.3797, 0.2740



29.7545, 0.4571, 0.3597

Sweetspot

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



29.7579, 0.2423, 0.3924



62.1164, 0.2769, 0.3452



28.3417, 0.3072, 0.5943



13.3424, 0.2728, 0.3476



84.8088, 0.3127, 0.3290



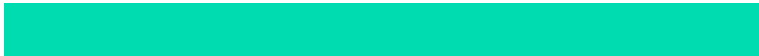
15.4872, 0.3127, 0.3290

Same Dimension

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



29.7579, 0.2423, 0.3924



53.9633, 0.2427, 0.3936



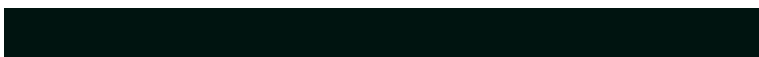
15.6917, 0.1969, 0.2289



8.5064, 0.3012, 0.3335



22.4768, 0.2421, 0.3917



0.5531, 0.2357, 0.3686

Inverse Universe

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



8.4355, 0.6069, 0.3117



15.2816, 0.6107, 0.3138



10.6415, 0.5950, 0.3658



7.5655, 0.3256, 0.3246



6.3755, 0.6047, 0.3105



0.1617, 0.5225, 0.2652

Previews

White Background



This preview shows how the Yxy color 29.7545, 0.2423, 0.3924 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 29.7545, 0.2423, 0.3924 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

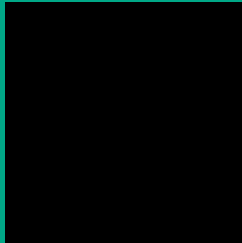
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 29.7545, 0.2423, 0.3924

Background



This preview shows how black text looks on a background with the Yxy color 29.7545, 0.2423, 0.3924.

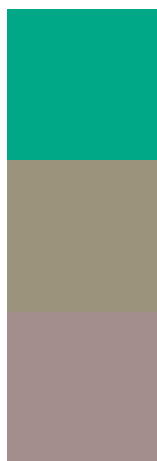


This preview shows how white text looks on a background with the Yxy color 29.7545, 0.2423, 0.3924.

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

29.7545, 0.2423, 0.3924

Protanopia

29.2912, 0.3442, 0.3655

Deuteranopia

29.1616, 0.3377, 0.3306



Tritanopia

29.6534, 0.2267, 0.3046

Trichromacy



Original Color

29.7545, 0.2423, 0.3924



Protanomaly

27.6539, 0.2841, 0.3784



Deuteranomaly

26.9404, 0.2788, 0.3505



Tritanomaly

29.4312, 0.2306, 0.3342

Monochromacy



Original Color

29.7545, 0.2423, 0.3924



Achromatopsia

16.8269, 0.3127, 0.3290



Achromatomaly

19.8718, 0.2634, 0.3541

CSS Examples

Text

The CSS property to change the color of the text to Yxy 29.7545, 0.2423, 0.3924 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, 168, 135)` looks like.

```
.text, #text, p{  
    color:rgb(0, 168, 135)  
}
```

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, 168, 135) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 168, 135) }
```

Border

The CSS property to change the border of an element to Yxy 29.7545, 0.2423, 0.3924 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, 168, 135) }
```

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

```
.border{ border-color:rgb(0, 168, 135) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 168, 135)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 168, 135); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 168, 135);  
box-shadow:4px 4px 4px 4px rgb(0, 168,  
135) }
```


Background

The CSS property to change the background color of an element to Yxy 29.7545, 0.2423, 0.3924 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 168, 135) }
```

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

```
.background{ background-color: rgb(0, 168,  
135) }
```

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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