

Converting Colors

$Yxy(24.1278, 0.1405, 0.4083)$

Have a look what the booklet for
Yxy(24.1278, 0.1405, 0.4083)
contains.

Yxy(28.9937, 0.2420, 0.3911)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(28.9937, 0.2420, 0.3911)

Conversions

Conversions Part 1

Format	Color
Hex	00A686
RGB	0, 166, 134
RGB Percent	0%, 65%, 53%
CMY	0.9991, 0.3490, 0.4746
CMYK	1.00, 0.00, 0.19, 0.35
HSL	168°, 100%, 33%
HSV	168°, 100%, 65%
XYZ	17.9404, 28.9937, 27.1997
YIQ	112.7180, -88.6640, -45.1440

Conversions

Conversions Part 2

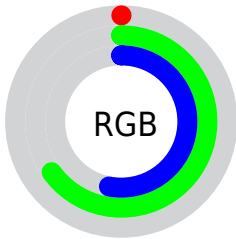
Format	Color
RYB	0, 92, 166
Decimal	42630
CIELab	60.78, -44.12, 6.41
CIELCh	61, 44.581, 171.729
Yxy	28.9937, 0.2420, 0.3911
Android (android.graphics.Color)	4278232710 (0xFF00A686)
YUV	112.7180, 10.4920, -98.8537
Hunter-Lab	53.8458, -34.7575, 7.7423

Details

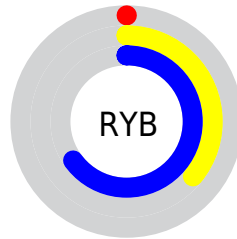
The Yxy color **28.9937, 0.2420, 0.3911** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.2173, 0.6072, 0.3120**, and the grayscale version is **16.4337, 0.3127, 0.3290**.

A 20% lighter version of the original color is **58.1057, 0.2569, 0.3779**, and **12.4503, 0.2473, 0.4102** is the 20% darker color. If you saturate the color by 10%, you get **28.9922, 0.2420, 0.3912**, and if you desaturate by 10%, it is **29.2017, 0.2420, 0.3842**.

Distribution



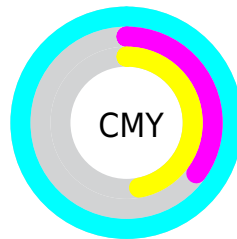
- Red (0%)
- Green (65%)
- Blue (53%)



- Red (0%)
- Yellow (36%)
- Blue (65%)



- Cyan (100%)
- Magenta (0%)
- Yellow (19%)
- Black (35%)




- Cyan (100%)
- Magenta (35%)
- Yellow (47%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 28.9937, 0.2420, 0.3911 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 28.9937, 0.2420, 0.3911 by changing the saturation by 10% instead.


 28.9937, 0.2420,
0.3911


 28.9937, 0.2420,
0.3911


 297.1852, 0.2804,
0.3567


 19.0761, 0.2314,
0.4010


 58.0671, 0.2567,
0.3777


 11.7252, 0.2170,
0.4146


 77.9916, 0.2620,
0.3729


 6.5569, 0.1968,
0.4343


 102.0205, 0.2664,
0.3690

 3.1866, 0.1663,
0.4655

 130.5383, 0.2700,
0.3657

 1.2299, 0.0266,
0.5754

 163.9292, 0.2732,
0.3630

 0.0859, 0.0000,
1.0000

 202.5778, 0.2759,

 0.0000, 0.0000,

0.3606

0.0000

246.8683, 0.2783,
0.3585

■ 28.9937, 0.2420,
0.3911

■ 28.9937, 0.2420,
0.3911

■ 28.9922, 0.2420,
0.3912

■ 29.2017, 0.2420,
0.3842

■ 29.5081, 0.2435,
0.3773

■ 29.9527, 0.2468,
0.3704

■ 30.5530, 0.2520,
0.3636

■ 31.3240, 0.2590,
0.3569

■ 32.2788, 0.2676,
0.3505

■ 33.4291, 0.2775,
0.3445

■ 34.7859, 0.2886,
0.3389

■ 36.3591, 0.3005,
0.3337

Harmonies

Analogous

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



28.9937, 0.3062, 0.4506



28.9937, 0.2420, 0.3911



28.9937, 0.1998, 0.3139

Triad

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



28.9937, 0.2420, 0.3911



28.9937, 0.2410, 0.2191



28.9937, 0.4575, 0.3785

Complementary

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



28.9937, 0.2420, 0.3911



8.2173, 0.6072, 0.3120

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.



28.9937, 0.4390, 0.3243



28.9937, 0.2420, 0.3911



28.9937, 0.3054, 0.2377

Square

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



28.9937, 0.2420, 0.3911



28.9937, 0.2002, 0.2234



28.9937, 0.3803, 0.2748



28.9937, 0.4322, 0.4293

Rectangle

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



28.9937, 0.2420, 0.3911



28.9937, 0.1875, 0.2711



28.9937, 0.3803, 0.2748



28.9937, 0.4565, 0.3603

Sweetspot

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



28.9948, 0.2420, 0.3911



60.5147, 0.2768, 0.3449



27.6026, 0.3073, 0.5941



13.3450, 0.2727, 0.3473



84.8088, 0.3127, 0.3290



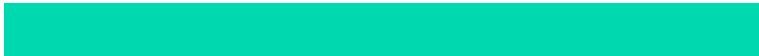
15.4872, 0.3127, 0.3290

Same Dimension

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



28.9948, 0.2420, 0.3911



52.5879, 0.2423, 0.3924



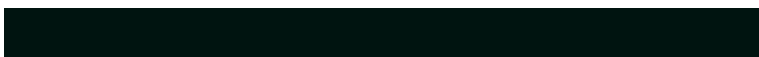
15.3068, 0.1970, 0.2291



8.5068, 0.3012, 0.3334



22.4885, 0.2418, 0.3906



0.5533, 0.2355, 0.3679

Inverse Universe

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



8.2173, 0.6072, 0.3120



14.8796, 0.6114, 0.3142



10.3848, 0.5944, 0.3660



7.5651, 0.3256, 0.3247



6.3731, 0.6056, 0.3110



0.1616, 0.5240, 0.2660

Previews

White Background



This preview shows how the Yxy color 28.9937, 0.2420, 0.3911 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 28.9937, 0.2420, 0.3911 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

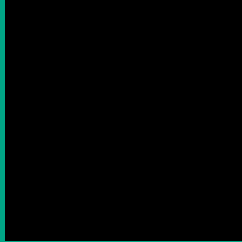
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

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

Yxy 28.9937, 0.2420, 0.3911

Background



This preview shows how black text looks on a background with the Yxy color 28.9937, 0.2420, 0.3911.

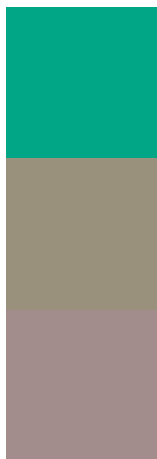


This preview shows how white text looks on a background with the Yxy color 28.9937, 0.2420, 0.3911.

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

28.9937, 0.2420, 0.3911

Protanopia

28.4532, 0.3436, 0.3643

Deuteranopia

28.6246, 0.3368, 0.3306



Tritanopia

29.2238, 0.2273, 0.3061

Trichromacy



Original Color

28.9937, 0.2420, 0.3911



Protanomaly

26.8562, 0.2830, 0.3771



Deuteranomaly

26.5312, 0.2787, 0.3506



Tritanomaly

29.0047, 0.2312, 0.3361

Monochromacy



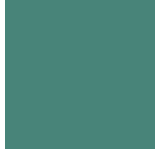
Original Color

28.9937, 0.2420, 0.3911



Achromatopsia

16.5132, 0.3127, 0.3290



Achromatomaly

19.2607, 0.2629, 0.3522

CSS Examples

Text

The CSS property to change the color of the text to Yxy 28.9937, 0.2420, 0.3911 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, 166, 134)` looks like.

```
.text, #text, p{  
    color:rgb(0, 166, 134)  
}
```

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, 166, 134) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 134) }
```

Border

The CSS property to change the border of an element to Yxy 28.9937, 0.2420, 0.3911 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, 166, 134) }
```

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

```
.border{ border-color:rgb(0, 166, 134) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 134)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 134); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 134);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
134) }
```


Background

The CSS property to change the background color of an element to Yxy 28.9937, 0.2420, 0.3911 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 134) }
```

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

```
.background{ background-color: rgb(0, 166,  
134) }
```

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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