

Converting Colors

$Y_{xy}(26.3365, 0.1576, 0.3930)$

Have a look what the booklet for
Yxy(26.3365, 0.1576, 0.3930)
contains.

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Color

Yxy(30.7024, 0.2393, 0.3816)

Conversions

Conversions Part 1

Format	Color
Hex	00AA8E
RGB	0, 170, 142
RGB Percent	0%, 67%, 56%
CMY	1.0000, 0.3333, 0.4431
CMYK	1.00, 0.00, 0.16, 0.33
HSL	170°, 100%, 33%
HSV	170°, 100%, 67%
XYZ	19.2534, 30.7024, 30.5013
YIQ	115.9780, -92.3320, -44.7480

Conversions

Conversions Part 2

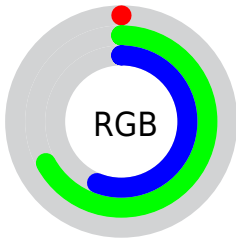
Format	Color
RYB	0, 93, 170
Decimal	43662
CIELab	62.26, -43.66, 4.06
CIELCh	62, 43.850, 174.686
Yxy	30.7024, 0.2393, 0.3816
Android (android.graphics.Color)	4278233742 (0xFF00AA8E)
YUV	115.9780, 12.8288, -101.7127
Hunter-Lab	55.4097, -34.9432, 6.1496

Details

The Yxy color **30.7024, 0.2393, 0.3816** is a dark color, and the websafe version is hex **009966**. A complement of this color would be **8.6310, 0.6150, 0.3161**, and the grayscale version is **17.4407, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.7054, 0.2539, 0.3699**, and **13.4953, 0.2433, 0.3960** is the 20% darker color. If you saturate the color by 10%, you get **30.7060, 0.2393, 0.3816**, and if you desaturate by 10%, it is **30.9103, 0.2396, 0.3758**.

Distribution



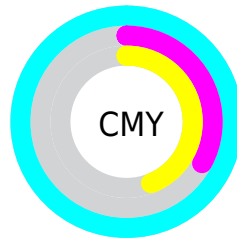
- Red (0%)
- Green (67%)
- Blue (56%)



- Red (0%)
- Yellow (36%)
- Blue (67%)



- Cyan (100%)
- Magenta (0%)
- Yellow (16%)
- Black (33%)




- Cyan (100%)
- Magenta (33%)
- Yellow (44%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.7024, 0.2393, 0.3816 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 30.7024, 0.2393, 0.3816 by changing the saturation by 10% instead.


 30.7024, 0.2393,
0.3816


 30.7024, 0.2393,
0.3816


305.1649, 0.2785,
0.3530

 20.3723, 0.2287,
0.3896

 60.7712, 0.2542,
0.3706


 12.6660, 0.2145,
0.4003


 81.2788, 0.2596,
0.3667

 7.1990, 0.1948,
0.4157


 105.9476, 0.2640,
0.3634

 3.5868, 0.1658,
0.4391

 135.1621, 0.2678,
0.3607

 1.4452, 0.0777,
0.5017

 169.3067, 0.2711,
0.3583

 0.2497, 0.0000,
1.0000

 208.7658, 0.2739,

 0.0000, 0.0000,

0.3563

0.0000

253.9237, 0.2763,
0.3546

■ 30.7024, 0.2393,
0.3816

■ 30.7024, 0.2393,
0.3816

■ 30.7060, 0.2393,
0.3816

■ 30.9103, 0.2396,
0.3758

■ 31.2186, 0.2412,
0.3700

■ 31.6719, 0.2447,
0.3642

■ 32.2887, 0.2501,
0.3584

■ 33.0850, 0.2572,
0.3528

■ 34.0746, 0.2661,
0.3474

■ 35.2701, 0.2763,
0.3423

■ 36.6830, 0.2877,
0.3375

■ 38.3239, 0.2999,
0.3330

Harmonies

Analogous

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



30.7024, 0.3001, 0.4421



30.7024, 0.2393, 0.3816



30.7024, 0.2008, 0.3080

Triad

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



30.7024, 0.2393, 0.3816



30.7024, 0.2486, 0.2232



30.7024, 0.4520, 0.3827

Complementary

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



30.7024, 0.2393, 0.3816



8.6310, 0.6150, 0.3161

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.



30.7024, 0.4383, 0.3299



30.7024, 0.2393, 0.3816



30.7024, 0.3128, 0.2432

Square

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



30.7024, 0.2393, 0.3816



30.7024, 0.2064, 0.2252



30.7024, 0.3847, 0.2809



30.7024, 0.4243, 0.4306

Rectangle

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



30.7024, 0.2393, 0.3816



30.7024, 0.1905, 0.2681



30.7024, 0.3847, 0.2809



30.7024, 0.4524, 0.3651

Sweetspot

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



30.7060, 0.2393, 0.3816



63.8580, 0.2757, 0.3425



29.0047, 0.3053, 0.5958



14.0340, 0.2714, 0.3446



86.8899, 0.3127, 0.3290



16.2647, 0.3127, 0.3290

Same Dimension

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



30.7060, 0.2393, 0.3816



55.6782, 0.2396, 0.3826



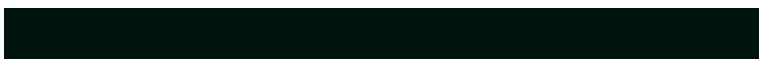
14.7888, 0.1936, 0.2169



8.5105, 0.3008, 0.3327



22.5919, 0.2392, 0.3810



0.5551, 0.2339, 0.3619

Inverse Universe

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



8.6310, 0.6150, 0.3161



15.6367, 0.6184, 0.3180



11.4408, 0.5867, 0.3724



7.5617, 0.3261, 0.3253



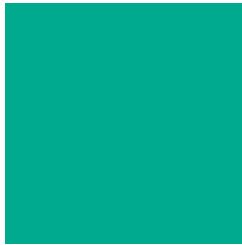
6.3541, 0.6128, 0.3149



0.1603, 0.5375, 0.2734

Previews

White Background



This preview shows how the Yxy color 30.7024, 0.2393, 0.3816 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

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 30.7024, 0.2393, 0.3816 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

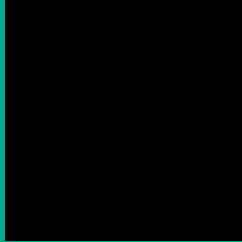
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.7024, 0.2393, 0.3816

Background



This preview shows how black text looks on a background with the Yxy color 30.7024, 0.2393, 0.3816.

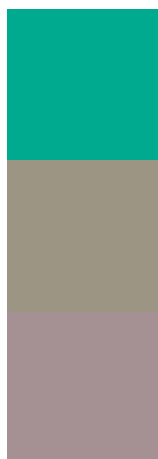


This preview shows how white text looks on a background with the Yxy color 30.7024, 0.2393, 0.3816.

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

30.7024, 0.2393, 0.3816

Protanopia

30.2015, 0.3377, 0.3572

Deuteranopia

30.3882, 0.3310, 0.3246



Tritanopia

30.7776, 0.2267, 0.3066

Trichromacy



Original Color

30.7024, 0.2393, 0.3816



Protanomaly

28.5159, 0.2788, 0.3685



Deuteranomaly

28.1898, 0.2746, 0.3429



Tritanomaly

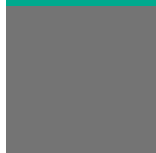
30.6454, 0.2296, 0.3323

Monochromacy



Original Color

30.7024, 0.2393, 0.3816



Achromatopsia

17.4647, 0.3127, 0.3290



Achromatomaly

20.5448, 0.2623, 0.3516

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7024, 0.2393, 0.3816 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, 170, 142)` looks like.

```
.text, #text, p{  
    color:rgb(0, 170, 142)  
}
```

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, 170, 142) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 170, 142) }
```

Border

The CSS property to change the border of an element to Yxy 30.7024, 0.2393, 0.3816 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, 170, 142) }
```

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

```
.border{ border-color:rgb(0, 170, 142) }
```

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

Here you see how a box with a 4 pixel rgb(0, 170, 142) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 170, 142); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 170, 142);  
box-shadow:4px 4px 4px 4px rgb(0, 170,  
142) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7024, 0.2393, 0.3816 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 170, 142) }
```

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

```
.background{ background-color: rgb(0, 170,  
142) }
```

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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