

Converting Colors

$Y_{xy}(28.9065, 0.1997, 0.3521)$

Have a look what the booklet for
Yxy(28.9065, 0.1997, 0.3521)
contains.

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Color

Yxy(30.8103, 0.2307, 0.3507)

Conversions

Conversions Part 1

Format	Color
Hex	00A99D
RGB	0, 169, 157
RGB Percent	0%, 66%, 62%
CMY	1.0000, 0.3372, 0.3843
CMYK	1.00, 0.00, 0.07, 0.34
HSL	176°, 100%, 33%
HSV	176°, 100%, 66%
XYZ	20.2679, 30.8103, 36.7756
YIQ	117.1010, -96.8720, -39.5600

Conversions

Conversions Part 2

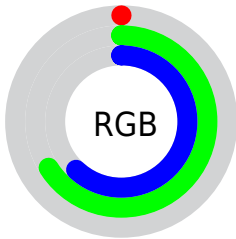
Format	Color
RYB	0, 88, 169
Decimal	43421
CIELab	62.35, -38.99, -4.20
CIELCh	62, 39.212, 186.150
Yxy	30.8103, 0.2307, 0.3507
Android (android.graphics.Color)	4278233501 (0xFF00A99D)
YUV	117.1010, 19.6702, -102.6976
Hunter-Lab	55.5070, -31.9597, -0.4270

Details

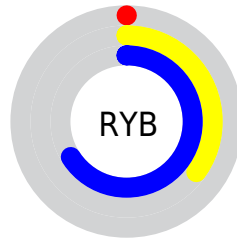
The Yxy color **30.8103, 0.2307, 0.3507** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.4631, 0.6317, 0.3254**, and the grayscale version is **17.7849, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9333, 0.2469, 0.3475**, and **13.5314, 0.2318, 0.3546** is the 20% darker color. If you saturate the color by 10%, you get **30.8153, 0.2308, 0.3507**, and if you desaturate by 10%, it is **30.9748, 0.2318, 0.3484**.

Distribution



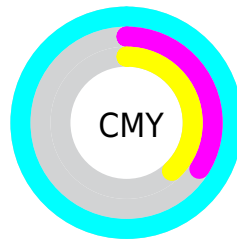
- Red (0%)
- Green (66%)
- Blue (62%)



- Red (0%)
- Yellow (35%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (7%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (38%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.8103, 0.2307, 0.3507 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 30.8103, 0.2307, 0.3507 by changing the saturation by 10% instead.

 30.8103, 0.2307,
0.3507


 30.8103, 0.2307,
0.3507


 305.6634, 0.2737,
0.3399


 20.4544, 0.2194,
0.3533


 60.9413, 0.2468,
0.3468


 12.7258, 0.2045,
0.3566

 81.4852, 0.2527,
0.3453

 7.2400, 0.1842,
0.3607


 106.1939, 0.2576,
0.3441

 3.6127, 0.1551,
0.3658

 135.4518, 0.2618,
0.3430

 1.4593, 0.0904,
0.3799

 169.6434, 0.2654,
0.3421

 0.2598, 0.0000,
0.3106

 209.1529, 0.2686,

 0.0000, 0.0000,

0.3413

0.0000

254.3648, 0.2713,
0.3405

■ 30.8103, 0.2307,
0.3507

■ 30.8103, 0.2307,
0.3507

■ 30.8153, 0.2308,
0.3507

■ 30.9748, 0.2318,
0.3484

■ 31.2349, 0.2341,
0.3460

■ 31.6364, 0.2383,
0.3436

■ 32.1975, 0.2443,
0.3413

■ 32.9339, 0.2522,
0.3390

■ 33.8592, 0.2618,
0.3367

■ 34.9858, 0.2729,
0.3346

■ 36.3251, 0.2853,
0.3326

■ 37.8874, 0.2986,
0.3307

Harmonies

Analogous

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



30.8103, 0.2796, 0.4120



30.8103, 0.2307, 0.3507



30.8103, 0.2046, 0.2893

Triad

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



30.8103, 0.2307, 0.3507



30.8103, 0.2756, 0.2377



30.8103, 0.4325, 0.3965

Complementary

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



30.8103, 0.2307, 0.3507



8.4631, 0.6317, 0.3254

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.



30.8103, 0.4343, 0.3492



30.8103, 0.2307, 0.3507



30.8103, 0.3381, 0.2628

Square

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



30.8103, 0.2307, 0.3507



30.8103, 0.2285, 0.2317



30.8103, 0.3986, 0.3022



30.8103, 0.3967, 0.4334

Rectangle

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



30.8103, 0.2307, 0.3507



30.8103, 0.2015, 0.2591



30.8103, 0.3986, 0.3022



30.8103, 0.4373, 0.3812

Sweetspot

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



30.8153, 0.2308, 0.3507



62.5287, 0.2723, 0.3347



28.4751, 0.3020, 0.5984



13.4434, 0.2676, 0.3356



84.8088, 0.3127, 0.3290



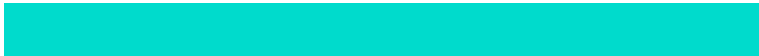
15.4872, 0.3127, 0.3290

Same Dimension

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



30.8153, 0.2308, 0.3507



55.1654, 0.2309, 0.3511



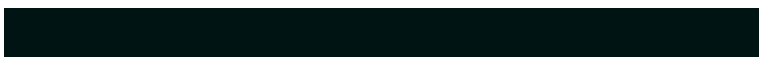
11.7115, 0.1854, 0.1874



8.5227, 0.2996, 0.3306



22.9657, 0.2307, 0.3505



0.5614, 0.2285, 0.3427

Inverse Universe

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



8.4631, 0.6317, 0.3254



15.1428, 0.6337, 0.3265



12.8699, 0.5638, 0.3905



7.5506, 0.3275, 0.3274



6.3096, 0.6304, 0.3246



0.1561, 0.5898, 0.3023

Previews

White Background



This preview shows how the Yxy color 30.8103, 0.2307, 0.3507 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 30.8103, 0.2307, 0.3507 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

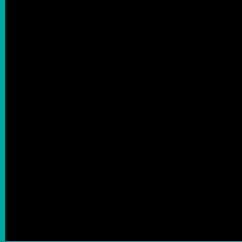
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8103, 0.2307, 0.3507

Background



This preview shows how black text looks on a background with the Yxy color 30.8103, 0.2307, 0.3507.

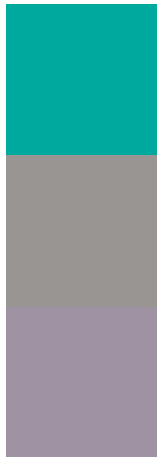


This preview shows how white text looks on a background with the Yxy color 30.8103, 0.2307, 0.3507.

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

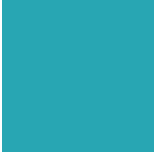
30.8103, 0.2307, 0.3507

Protanopia

30.3425, 0.3197, 0.3337

Deuteranopia

30.5373, 0.3108, 0.3051



Tritanopia

30.9782, 0.2241, 0.3065

Trichromacy



Original Color

30.8103, 0.2307, 0.3507

Protanomaly

28.5203, 0.2657, 0.3394

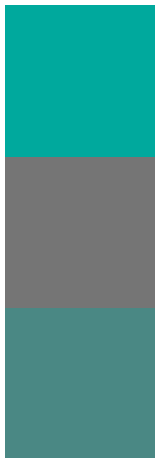
Deuteranomaly

28.4160, 0.2608, 0.3186

Tritanomaly

30.7844, 0.2254, 0.3217

Monochromacy



Original Color

30.8103, 0.2307, 0.3507

Achromatopsia

17.7888, 0.3127, 0.3290

Achromatomaly

20.7301, 0.2567, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8103, 0.2307, 0.3507 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, 169, 157)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 157)  
}
```

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, 169, 157) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 157) }
```

Border

The CSS property to change the border of an element to Yxy 30.8103, 0.2307, 0.3507 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, 169, 157) }
```

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

```
.border{ border-color:rgb(0, 169, 157) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 169, 157)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 157); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 157);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
157) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8103, 0.2307, 0.3507 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 169, 157) }
```

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

```
.background{ background-color: rgb(0, 169,  
157) }
```

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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