

Converting Colors

$Y_{xy}(27.9005, 0.1807, 0.3482)$

Have a look what the booklet for
Yxy(27.9005, 0.1807, 0.3482)
contains.

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Color

Yxy(30.9140, 0.2292, 0.3451)

Conversions

Conversions Part 1

Format	Color
Hex	00A9A0
RGB	0, 169, 160
RGB Percent	0%, 66%, 63%
CMY	1.0000, 0.3372, 0.3726
CMYK	1.00, 0.00, 0.05, 0.34
HSL	177°, 100%, 33%
HSV	177°, 100%, 66%
XYZ	20.5317, 30.9140, 38.1341
YIQ	117.4430, -97.8350, -38.6270

Conversions

Conversions Part 2

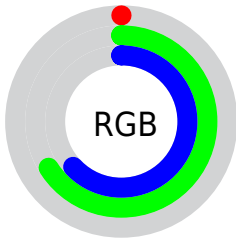
Format	Color
RYB	0, 87, 169
Decimal	43424
CIELab	62.43, -38.07, -5.74
CIELCh	62, 38.505, 188.579
Yxy	30.9140, 0.2292, 0.3451
Android (android.graphics.Color)	4278233504 (0xFF00A9A0)
YUV	117.4430, 20.9806, -102.9975
Hunter-Lab	55.6004, -31.3854, -1.7445

Details

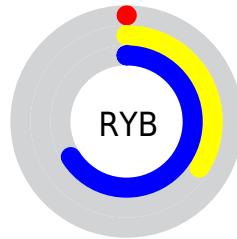
The Yxy color **30.9140, 0.2292, 0.3451** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.4556, 0.6338, 0.3265**, and the grayscale version is **17.8914, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1896, 0.2455, 0.3421**, and **13.5949, 0.2296, 0.3466** is the 20% darker color. If you saturate the color by 10%, you get **30.9151, 0.2292, 0.3451**, and if you desaturate by 10%, it is **31.0651, 0.2304, 0.3434**.

Distribution



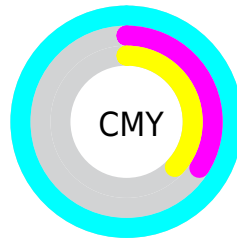
- Red (0%)
- Green (66%)
- Blue (63%)



- Red (0%)
- Yellow (34%)
- Blue (66%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (34%)





- Cyan (100%)
- Magenta (34%)
- Yellow (37%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 30.9140, 0.2292, 0.3451 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 30.9140, 0.2292, 0.3451 by changing the saturation by 10% instead.


 30.9140, 0.2292,
0.3451


 30.9140, 0.2292,
0.3451


 306.1419, 0.2729,
0.3375

 20.5334, 0.2177,
0.3468


 61.1046, 0.2455,
0.3425

 12.7833, 0.2027,
0.3488


 81.6835, 0.2515,
0.3414


 7.2795, 0.1824,
0.3510


 106.4304, 0.2565,
0.3405

 3.6375, 0.1534,
0.3532

 135.7300, 0.2608,
0.3398

 1.4729, 0.0927,
0.3603

 169.9665, 0.2644,
0.3391

 0.2696, 0.0000,
0.2794

 209.5244, 0.2676,

 0.0000, 0.0000,

0.3385

0.0000

254.7881, 0.2704,
0.3379

■ 30.9140, 0.2292,
0.3451

■ 30.9140, 0.2292,
0.3451

■ 30.9151, 0.2292,
0.3451

■ 31.0651, 0.2304,
0.3434

■ 31.3156, 0.2329,
0.3416

■ 31.7072, 0.2371,
0.3399

■ 32.2583, 0.2433,
0.3381

■ 32.9844, 0.2513,
0.3364

■ 33.8993, 0.2610,
0.3348

■ 35.0154, 0.2722,
0.3332

■ 36.3438, 0.2848,
0.3317

■ 37.8951, 0.2984,
0.3303

Harmonies

Analogous

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



30.9140, 0.2758, 0.4061



30.9140, 0.2292, 0.3451



30.9140, 0.2055, 0.2860

Triad

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



30.9140, 0.2292, 0.3451



30.9140, 0.2809, 0.2405



30.9140, 0.4286, 0.3990

Complementary

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



30.9140, 0.2292, 0.3451



8.4556, 0.6338, 0.3265

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.



30.9140, 0.4333, 0.3529



30.9140, 0.2292, 0.3451



30.9140, 0.3428, 0.2666

Square

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



30.9140, 0.2292, 0.3451



30.9140, 0.2330, 0.2330



30.9140, 0.4010, 0.3063



30.9140, 0.3914, 0.4335

Rectangle

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



30.9140, 0.2292, 0.3451



30.9140, 0.2038, 0.2576



30.9140, 0.4010, 0.3063



30.9140, 0.4342, 0.3843

Sweetspot

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



30.9152, 0.2292, 0.3451



62.5887, 0.2716, 0.3332



28.4507, 0.3016, 0.5987



13.4581, 0.2669, 0.3339



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.



30.9152, 0.2292, 0.3451



55.3538, 0.2293, 0.3454



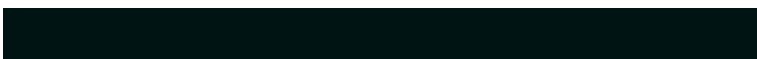
11.1894, 0.1838, 0.1816



8.5250, 0.2994, 0.3302



23.0420, 0.2292, 0.3449



0.5626, 0.2275, 0.3392

Inverse Universe

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



8.4556, 0.6338, 0.3265



15.1325, 0.6355, 0.3275



13.2324, 0.5591, 0.3943



7.5486, 0.3278, 0.3278



6.3039, 0.6328, 0.3259



0.1553, 0.6013, 0.3086

Previews

White Background



This preview shows how the Yxy color 30.9140, 0.2292, 0.3451 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 30.9140, 0.2292, 0.3451 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

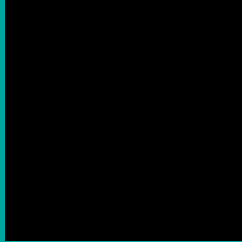
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.9140, 0.2292, 0.3451

Background



This preview shows how black text looks on a background with the Yxy color 30.9140, 0.2292, 0.3451.

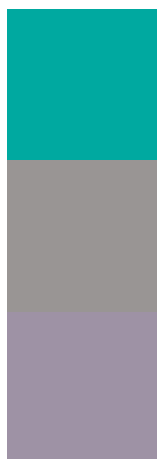


This preview shows how white text looks on a background with the Yxy color 30.9140, 0.2292, 0.3451.

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

30.9140, 0.2292, 0.3451

Protanopia

30.4053, 0.3178, 0.3306

Deuteranopia

30.5435, 0.3069, 0.3007



Tritanopia

30.9798, 0.2231, 0.3049

Trichromacy



Original Color

30.9140, 0.2292, 0.3451



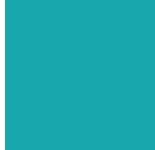
Protanomaly

28.5853, 0.2642, 0.3359



Deuteranomaly

28.5222, 0.2587, 0.3135



Tritanomaly

30.8488, 0.2243, 0.3183

Monochromacy



Original Color

30.9140, 0.2292, 0.3451



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

20.7576, 0.2559, 0.3349

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.9140, 0.2292, 0.3451 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, 160)` looks like.

```
.text, #text, p{  
    color:rgb(0, 169, 160)  
}
```

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, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 169, 160) }
```

Border

The CSS property to change the border of an element to Yxy 30.9140, 0.2292, 0.3451 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, 160) }
```

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

```
.border{ border-color:rgb(0, 169, 160) }
```

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, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 169, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 169, 160);  
box-shadow:4px 4px 4px 4px rgb(0, 169,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 30.9140, 0.2292, 0.3451 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, 160) }
```

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

```
.background{ background-color: rgb(0, 169,  
160) }
```

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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