

Converting Colors

$Y_{xy}(28.4934, 0.1963, 0.3253)$

Have a look what the booklet for
Yxy(28.4934, 0.1963, 0.3253)
contains.

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Color

Yxy(30.5020, 0.2237, 0.3252)

Conversions

Conversions Part 1

Format	Color
Hex	00A7A9
RGB	0, 167, 169
RGB Percent	0%, 65%, 66%
CMY	0.9987, 0.3451, 0.3373
CMYK	1.00, 0.01, 0.00, 0.34
HSL	181°, 100%, 33%
HSV	181°, 100%, 66%
XYZ	20.9818, 30.5020, 42.3107
YIQ	117.2950, -100.1740, -34.7820

Conversions

Conversions Part 2

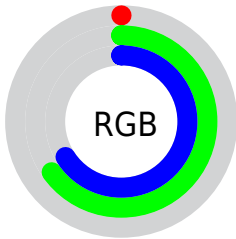
Format	Color
RYB	0, 84, 169
Decimal	42921
CIELab	62.08, -34.39, -11.32
CIELCh	62, 36.203, 198.216
Yxy	30.5020, 0.2237, 0.3252
Android (android.graphics.Color)	4278233001 (0xFF00A7A9)
YUV	117.2950, 25.4906, -102.8677
Hunter-Lab	55.2286, -28.8363, -6.7621

Details

The Yxy color **30.5020, 0.2237, 0.3252** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.4846, 0.6387, 0.3307**, and the grayscale version is **17.8594, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.5901, 0.2408, 0.3275**, and **13.3190, 0.2226, 0.3212** is the 20% darker color. If you saturate the color by 10%, you get **30.4996, 0.2237, 0.3252**, and if you desaturate by 10%, it is **30.6953, 0.2254, 0.3256**.

Distribution



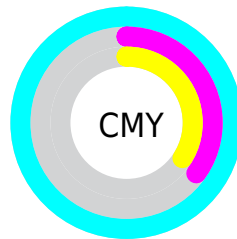
- Red (0%)
- Green (65%)
- Blue (66%)



- Red (0%)
- Yellow (33%)
- Blue (66%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (34%)




- Cyan (100%)
- Magenta (35%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5020, 0.2237, 0.3252 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 30.5020, 0.2237, 0.3252 by changing the saturation by 10% instead.


 30.5020, 0.2237,
0.3252


 30.5020, 0.2237,
0.3252


 304.2374, 0.2700,
0.3286

 20.2199, 0.2117,
0.3237


 60.4552, 0.2409,
0.3269


 12.5550, 0.1961,
0.3214


 80.8950, 0.2472,
0.3274


 7.1229, 0.1751,
0.3175


 105.4897, 0.2525,
0.3277

 3.5391, 0.1456,
0.3102

 134.6234, 0.2571,
0.3280

 1.4192, 0.0909,
0.2986

 168.6806, 0.2610,
0.3282

 0.2308, 0.0000,
0.1810

 208.0458, 0.2644,

 0.0000, 0.0000,

0.3284

0.0000

253.1033, 0.2673,
0.3285

■ 30.5020, 0.2237,
0.3252

■ 30.5020, 0.2237,
0.3252

■ 30.4996, 0.2237,
0.3252

■ 30.6953, 0.2254,
0.3256

■ 30.9895, 0.2284,
0.3260

■ 31.4249, 0.2332,
0.3264

■ 32.0201, 0.2398,
0.3268

■ 32.7904, 0.2484,
0.3272

■ 33.7495, 0.2586,
0.3276

■ 34.9098, 0.2705,
0.3279

■ 36.2826, 0.2837,
0.3283

■ 37.8782, 0.2979,
0.3287

Harmonies

Analogous

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



30.5020, 0.2618, 0.3846



30.5020, 0.2237, 0.3252



30.5020, 0.2087, 0.2744

Triad

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



30.5020, 0.2237, 0.3252



30.5020, 0.3008, 0.2511



30.5020, 0.4141, 0.4082

Complementary

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



30.5020, 0.2237, 0.3252



8.4846, 0.6387, 0.3307

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.



30.5020, 0.4291, 0.3668



30.5020, 0.2237, 0.3252



30.5020, 0.3603, 0.2808

Square

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



30.5020, 0.2237, 0.3252



30.5020, 0.2497, 0.2379



30.5020, 0.4093, 0.3216



30.5020, 0.3718, 0.4334

Rectangle

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



30.5020, 0.2237, 0.3252



30.5020, 0.2121, 0.2521



30.5020, 0.4093, 0.3216



30.5020, 0.4227, 0.3954

Sweetspot

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



30.5031, 0.2237, 0.3252



62.3676, 0.2695, 0.3279



28.3739, 0.3000, 0.5998



13.4035, 0.2646, 0.3278



84.8088, 0.3127, 0.3290



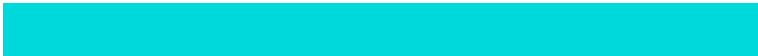
15.4872, 0.3127, 0.3290

Same Dimension

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



30.5031, 0.2237, 0.3252



54.6090, 0.2237, 0.3251



9.3094, 0.1776, 0.1592



8.5166, 0.2987, 0.3287



22.7410, 0.2237, 0.3252



0.5579, 0.2240, 0.3265

Inverse Universe

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



11.2307, 0.3238, 0.1558



20.1016, 0.3239, 0.1558



14.8775, 0.5393, 0.4097



7.6651, 0.3139, 0.3070



8.3668, 0.3238, 0.1558



0.2040, 0.3228, 0.1552

Previews

White Background



This preview shows how the Yxy color 30.5020, 0.2237, 0.3252 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 30.5020, 0.2237, 0.3252 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

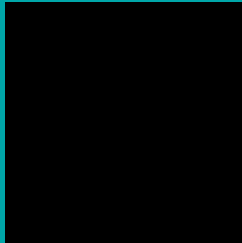
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.5020, 0.2237, 0.3252

Background



This preview shows how black text looks on a background with the Yxy color 30.5020, 0.2237, 0.3252.

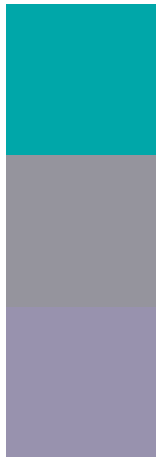


This preview shows how white text looks on a background with the Yxy color 30.5020, 0.2237, 0.3252.

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

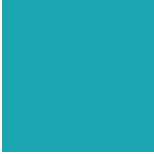
30.5020, 0.2237, 0.3252

Protanopia

30.0037, 0.3053, 0.3151

Deuteranopia

30.2892, 0.2928, 0.2873



Tritanopia

30.4118, 0.2211, 0.3046

Trichromacy



Original Color

30.5020, 0.2237, 0.3252



Protanomaly

28.4488, 0.2561, 0.3185



Deuteranomaly

28.6311, 0.2497, 0.2987



Tritanomaly

30.4962, 0.2220, 0.3130

Monochromacy



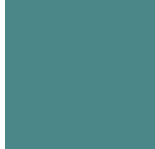
Original Color

30.5020, 0.2237, 0.3252



Achromatopsia

17.7888, 0.3127, 0.3290



Achromatomaly

20.6014, 0.2540, 0.3268

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5020, 0.2237, 0.3252 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, 167, 169)` looks like.

```
.text, #text, p{  
    color:rgb(0, 167, 169)  
}
```

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, 167, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 167, 169) }
```

Border

The CSS property to change the border of an element to Yxy 30.5020, 0.2237, 0.3252 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, 167, 169) }
```

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

```
.border{ border-color:rgb(0, 167, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 167, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 167, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 167, 169);  
box-shadow:4px 4px 4px 4px rgb(0, 167,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5020, 0.2237, 0.3252 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 167, 169) }
```

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

```
.background{ background-color: rgb(0, 167,  
169) }
```

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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