

Converting Colors

$Yxy(30.0973, 0.2186, 0.3331)$

Have a look what the booklet for
Yxy(30.0973, 0.2186, 0.3331)
contains.

Yxy(30.7219, 0.2262, 0.3341)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(30.7219, 0.2262, 0.3341)

Conversions

Conversions Part 1

Format	Color
Hex	01A8A5
RGB	1, 168, 165
RGB Percent	0%, 66%, 65%
CMY	0.9975, 0.3412, 0.3529
CMYK	1.00, 0.00, 0.02, 0.34
HSL	179°, 99%, 33%
HSV	179°, 100%, 66%
XYZ	20.8000, 30.7219, 40.4323
YIQ	117.7250, -98.5690, -36.3370

Conversions

Conversions Part 2

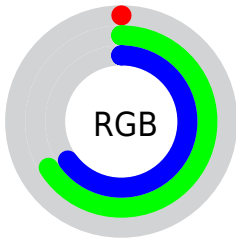
Format	Color
RYB	1, 85, 168
Decimal	108709
CIELab	62.27, -36.07, -8.80
CIElCh	62, 37.129, 193.713
Yxy	30.7219, 0.2262, 0.3341
Android (android.graphics.Color)	4278298789 (0xFF01A8A5)
YUV	117.7250, 23.3066, -102.3678
Hunter-Lab	55.4273, -30.0127, -4.4508

Details

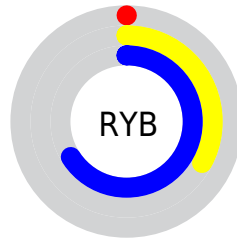
The Yxy color **30.7219, 0.2262, 0.3341** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **8.3457, 0.6372, 0.3288**, and the grayscale version is **17.9381, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.9115, 0.2429, 0.3341**, and **13.4537, 0.2261, 0.3338** is the 20% darker color. If you saturate the color by 10%, you get **30.7185, 0.2262, 0.3341**, and if you desaturate by 10%, it is **30.8531, 0.2277, 0.3335**.

Distribution



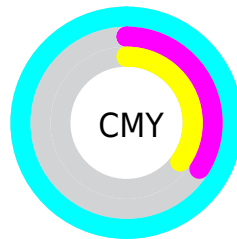
- Red (0%)
- Green (66%)
- Blue (65%)



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



- Cyan (100%)
- Magenta (0%)
- Yellow (2%)
- Black (34%)





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


Brightness & Saturation Gradients

These gradients show how the Yxy color 30.7219, 0.2262, 0.3341 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 30.7219, 0.2262, 0.3341 by changing the saturation by 10% instead.

 30.7219, 0.2262,
0.3341


 30.7219, 0.2262,
0.3341


 305.2551, 0.2713,
0.3326


 20.3872, 0.2145,
0.3340


 60.8020, 0.2430,
0.3339

 12.6768, 0.1991,
0.3336


 81.3161, 0.2491,
0.3337


 7.2064, 0.1784,
0.3323


 105.9921, 0.2543,
0.3335

 3.5915, 0.1492,
0.3291

 135.2145, 0.2587,
0.3333

 1.4478, 0.0923,
0.3252

 169.3676, 0.2625,
0.3331

 0.2515, 0.0000,
0.2205

 208.8358, 0.2658,

 0.0000, 0.0000,

0.3329

0.0000

254.0035, 0.2687,
0.3328

■ 30.7219, 0.2262,
0.3341

■ 30.7219, 0.2262,
0.3341

■ 30.7185, 0.2262,
0.3341

■ 30.8531, 0.2277,
0.3335

■ 31.0849, 0.2305,
0.3330

■ 31.4566, 0.2350,
0.3324

■ 31.9858, 0.2415,
0.3319

■ 32.6881, 0.2498,
0.3313

■ 33.5767, 0.2598,
0.3308

■ 34.6639, 0.2714,
0.3303

■ 35.9607, 0.2844,
0.3298

■ 37.4774, 0.2985,
0.3294

Harmonies

Analogous

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



30.7219, 0.2682, 0.3944



30.7219, 0.2262, 0.3341



30.7219, 0.2072, 0.2796

Triad

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



30.7219, 0.2262, 0.3341



30.7219, 0.2917, 0.2463



30.7219, 0.4207, 0.4040

Complementary

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



30.7219, 0.2262, 0.3341



8.3457, 0.6372, 0.3288

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.



30.7219, 0.4310, 0.3605



30.7219, 0.2262, 0.3341



30.7219, 0.3524, 0.2743

Square

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



30.7219, 0.2262, 0.3341



30.7219, 0.2420, 0.2357



30.7219, 0.4056, 0.3146



30.7219, 0.3807, 0.4336

Rectangle

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



30.7219, 0.2262, 0.3341



30.7219, 0.2083, 0.2546



30.7219, 0.4056, 0.3146



30.7219, 0.4280, 0.3903

Sweetspot

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



30.7230, 0.2262, 0.3341



62.7103, 0.2703, 0.3303



28.0437, 0.3008, 0.5990



13.4881, 0.2655, 0.3305



84.8088, 0.3127, 0.3290



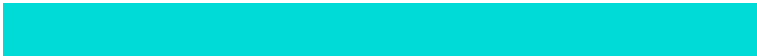
15.4872, 0.3127, 0.3290

Same Dimension

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



30.7230, 0.2262, 0.3341



55.7458, 0.2262, 0.3342



10.1253, 0.1809, 0.1708



8.5297, 0.2989, 0.3294



23.2008, 0.2261, 0.3341



0.5652, 0.2256, 0.3322

Inverse Universe

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



8.3457, 0.6372, 0.3288



15.1152, 0.6385, 0.3291



13.8794, 0.5485, 0.4022



7.5444, 0.3283, 0.3286



6.2924, 0.6376, 0.3286



0.1538, 0.6264, 0.3224

Previews

White Background



This preview shows how the Yxy color 30.7219, 0.2262, 0.3341 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 30.7219, 0.2262, 0.3341 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

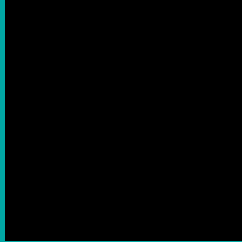
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

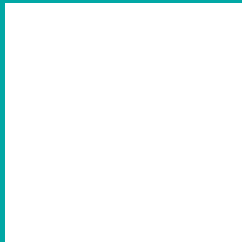
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.7219, 0.2262, 0.3341

Background



This preview shows how black text looks on a background with the Yxy color 30.7219, 0.2262, 0.3341.

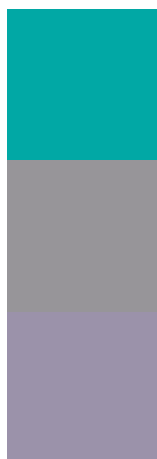


This preview shows how white text looks on a background with the Yxy color 30.7219, 0.2262, 0.3341.

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

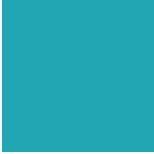
30.7283, 0.2262, 0.3341

Protanopia

30.3741, 0.3110, 0.3228

Deuteranopia

30.4286, 0.2993, 0.2933



Tritanopia

30.8504, 0.2225, 0.3064

Trichromacy



Original Color

30.7283, 0.2262, 0.3341



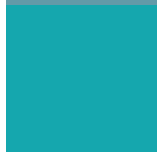
Protanomaly

28.6981, 0.2599, 0.3271



Deuteranomaly

28.5910, 0.2537, 0.3052



Tritanomaly

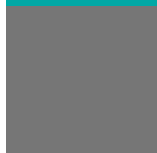
30.8529, 0.2233, 0.3165

Monochromacy



Original Color

30.7283, 0.2262, 0.3341



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

20.8534, 0.2551, 0.3308

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7219, 0.2262, 0.3341 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(1, 168, 165)` looks like.

```
.text, #text, p{  
    color:rgb(1, 168, 165)  
}
```

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(1, 168, 165) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(1, 168, 165) }
```

Border

The CSS property to change the border of an element to Yxy 30.7219, 0.2262, 0.3341 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(1, 168, 165) }
```

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

```
.border{ border-color:rgb(1, 168, 165) }
```

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

Here you see how a box with a 4 pixel `rgb(1, 168, 165)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(1, 168, 165); -webkit-box-  
shadow:4px 4px 4px 4px rgb(1, 168, 165);  
box-shadow:4px 4px 4px 4px rgb(1, 168,  
165) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7219, 0.2262, 0.3341 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(1, 168, 165) }
```

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

```
.background{ background-color: rgb(1, 168,  
165) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor