

Converting Colors

$Y_{xy}(30.5851, 0.2159, 0.2972)$

Have a look what the booklet for
Yxy(30.5851, 0.2159, 0.2972)
contains.

Yxy(30.7331, 0.2161, 0.2980)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(30.7331, 0.2161, 0.2980)

Conversions

Conversions Part 1

Format	Color
Hex	00A6B8
RGB	0, 166, 184
RGB Percent	0%, 65%, 72%
CMY	1.0000, 0.3490, 0.2784
CMYK	1.00, 0.10, 0.00, 0.28
HSL	186°, 100%, 36%
HSV	186°, 100%, 72%
XYZ	22.2867, 30.7331, 50.1115
YIQ	118.4180, -104.7140, -29.5940

Conversions

Conversions Part 2

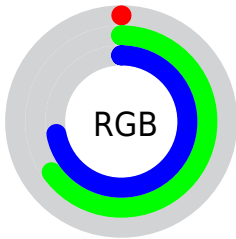
Format	Color
RYB	0, 87, 184
Decimal	42680
CIELab	62.28, -29.10, -19.45
CIElCh	62, 34.998, 213.755
Yxy	30.7331, 0.2161, 0.2980
Android (android.graphics.Color)	4278232760 (0xFF00A6B8)
YUV	118.4180, 32.3319, -103.8526
Hunter-Lab	55.4374, -25.2559, -14.7877

Details

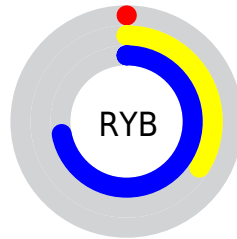
The Yxy color **30.7331, 0.2161, 0.2980** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **10.6248, 0.6323, 0.3361**, and the grayscale version is **18.1772, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.6008, 0.2344, 0.3047**, and **13.6733, 0.2135, 0.2887** is the 20% darker color. If you saturate the color by 10%, you get **30.7356, 0.2161, 0.2980**, and if you desaturate by 10%, it is **31.5274, 0.2186, 0.3013**.

Distribution



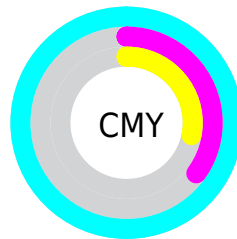
- Red (0%)
- Green (65%)
- Blue (72%)



- Red (0%)
- Yellow (34%)
- Blue (72%)



- Cyan (100%)
- Magenta (10%)
- Yellow (0%)
- Black (28%)





- Cyan (100%)
- Magenta (35%)
- Yellow (28%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 30.7331, 0.2161, 0.2980 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 30.7331, 0.2161, 0.2980 by changing the saturation by 10% instead.


 30.7331, 0.2161,
0.2980


 30.7331, 0.2161,
0.2980


 305.3068, 0.2657,
0.3161

 20.3957, 0.2035,
0.2926


 60.8196, 0.2343,
0.3052


 12.6830, 0.1873,
0.2850


 81.3375, 0.2411,
0.3078


 7.2106, 0.1658,
0.2740


 106.0177, 0.2469,
0.3098

 3.5942, 0.1364,
0.2568

 135.2446, 0.2518,
0.3115

 1.4492, 0.0916,
0.2282

 169.4025, 0.2560,
0.3129

 0.2526, 0.0000,
0.1229

 208.8760, 0.2596,

 0.0000, 0.0000,

0.3142

0.0000

254.0493, 0.2629,
0.3152

■ 30.7331, 0.2161,
0.2980

■ 30.7331, 0.2161,
0.2980

■ 30.7356, 0.2161,
0.2980

■ 31.5274, 0.2186,
0.3013

■ 32.4531, 0.2226,
0.3046

■ 33.5593, 0.2283,
0.3080

■ 34.8686, 0.2360,
0.3114

■ 36.4004, 0.2455,
0.3147

■ 38.1717, 0.2566,
0.3179

■ 40.1978, 0.2692,
0.3209

■ 42.4927, 0.2829,
0.3238

■ 45.0693, 0.2975,
0.3265

Harmonies

Analogous

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



30.7331, 0.2420, 0.3533



30.7331, 0.2161, 0.2980



30.7331, 0.2136, 0.2588

Triad

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



30.7331, 0.2161, 0.2980



30.7331, 0.3311, 0.2667



30.7331, 0.3921, 0.4211

Complementary

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



30.7331, 0.2161, 0.2980



10.6248, 0.6323, 0.3361

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.



30.7331, 0.4215, 0.3877



30.7331, 0.2161, 0.2980



30.7331, 0.3857, 0.3020

Square

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



30.7331, 0.2161, 0.2980



30.7331, 0.2756, 0.2451



30.7331, 0.4199, 0.3447



30.7331, 0.3427, 0.4309

Rectangle

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



30.7331, 0.2161, 0.2980



30.7331, 0.2249, 0.2448



30.7331, 0.4199, 0.3447



30.7331, 0.4048, 0.4118

Sweetspot

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



30.7356, 0.2161, 0.2980



72.6623, 0.2685, 0.3208



34.3219, 0.2985, 0.5945



15.3230, 0.2632, 0.3195



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



30.7356, 0.2161, 0.2980



55.5095, 0.2160, 0.2975



8.7232, 0.1698, 0.1313



10.0563, 0.2985, 0.3267



21.2371, 0.2162, 0.2984



0.7925, 0.2186, 0.3069

Inverse Universe

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



12.9453, 0.3472, 0.1686



23.4432, 0.3477, 0.1689



20.7786, 0.5164, 0.4281



9.1472, 0.3152, 0.3086



8.9262, 0.3468, 0.1684



0.3191, 0.3394, 0.1643

Previews

White Background



This preview shows how the Yxy color 30.7331, 0.2161, 0.2980 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 30.7331, 0.2161, 0.2980 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

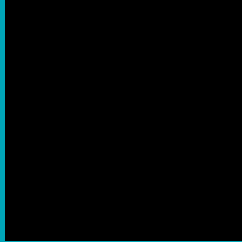
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

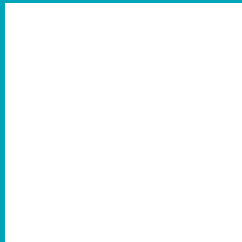
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.7331, 0.2161, 0.2980

Background



This preview shows how black text looks on a background with the Yxy color 30.7331, 0.2161, 0.2980.

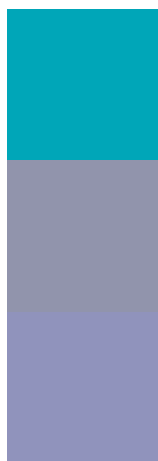


This preview shows how white text looks on a background with the Yxy color 30.7331, 0.2161, 0.2980.

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

30.7331, 0.2161, 0.2980

Protanopia

30.1781, 0.2880, 0.2925

Deuteranopia

30.4276, 0.2738, 0.2687



Tritanopia

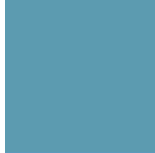
30.5677, 0.2179, 0.3046

Trichromacy



Original Color

30.7331, 0.2161, 0.2980



Protanomaly

28.8526, 0.2441, 0.2938



Deuteranomaly

28.9744, 0.2370, 0.2754



Tritanomaly

30.6086, 0.2175, 0.3029

Monochromacy



Original Color

30.7331, 0.2161, 0.2980



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

20.7768, 0.2494, 0.3150

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7331, 0.2161, 0.2980 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, 166, 184)` looks like.

```
.text, #text, p{  
  color:rgb(0, 166, 184)  
}
```

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, 166, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 166, 184) }
```

Border

The CSS property to change the border of an element to Yxy 30.7331, 0.2161, 0.2980 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, 166, 184) }
```

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

```
.border{ border-color:rgb(0, 166, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 166, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 166, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 166, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 166,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7331, 0.2161, 0.2980 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 166, 184) }
```

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

```
.background{ background-color: rgb(0, 166,  
184) }
```

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