

Converting Colors

$Y_{xy}(30.4025, 0.2130, 0.2879)$

Have a look what the booklet for
Yxy(30.4025, 0.2130, 0.2879)
contains.

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Color

Yxy(30.5844, 0.2134, 0.2883)

Conversions

Conversions Part 1

Format	Color
Hex	00A5BD
RGB	0, 165, 189
RGB Percent	0%, 65%, 74%
CMY	1.0000, 0.3529, 0.2588
CMYK	1.00, 0.13, 0.00, 0.26
HSL	188°, 100%, 37%
HSV	188°, 100%, 74%
XYZ	22.6386, 30.5844, 52.8623
YIQ	118.4010, -106.0440, -27.5160

Conversions

Conversions Part 2

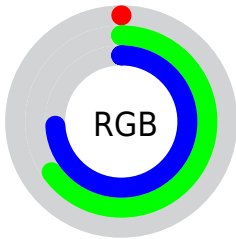
Format	Color
RYB	0, 88, 189
Decimal	42429
CIELab	62.16, -26.94, -22.44
CIELCh	62, 35.060, 219.794
Yxy	30.5844, 0.2134, 0.2883
Android (android.graphics.Color)	4278232509 (0xFF00A5BD)
YUV	118.4010, 34.8053, -103.8377
Hunter-Lab	55.3032, -23.7107, -17.9610

Details

The Yxy color **30.5844, 0.2134, 0.2883** is a dark color, and the websafe version is hex **339999**. A complement of this color would be **11.4744, 0.6291, 0.3387**, and the grayscale version is **18.1644, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.3756, 0.2320, 0.2974**, and **13.5878, 0.2099, 0.2756** is the 20% darker color. If you saturate the color by 10%, you get **30.5874, 0.2134, 0.2883**, and if you desaturate by 10%, it is **31.5991, 0.2162, 0.2927**.

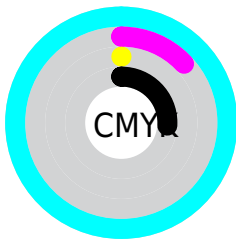
Distribution



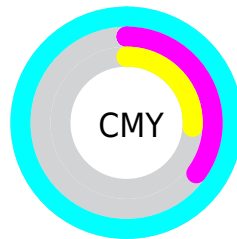
- Red (0%)
- Green (65%)
- Blue (74%)



- Red (0%)
- Yellow (35%)
- Blue (74%)



- Cyan (100%)
- Magenta (13%)
- Yellow (0%)
- Black (26%)





- Cyan (100%)
- Magenta (35%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 30.5844, 0.2134, 0.2883 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 30.5844, 0.2134, 0.2883 by changing the saturation by 10% instead.


 30.5844, 0.2134,
0.2883


 30.5844, 0.2134,
0.2883


304.6191, 0.2643,
0.3115


 20.2826, 0.2005,
0.2816


 60.5852, 0.2321,
0.2974


 12.6006, 0.1841,
0.2724


 81.0529, 0.2390,
0.3006


 7.1541, 0.1623,
0.2592


 105.6780, 0.2449,
0.3033

 3.5587, 0.1329,
0.2391

 134.8450, 0.2499,
0.3055

 1.4299, 0.0898,
0.2067

 168.9382, 0.2542,
0.3073

 0.2386, 0.0000,
0.1015

208.3420, 0.2580,

 0.0000, 0.0000,

0.3089

0.0000

253.4408, 0.2613,
0.3103

■ 30.5844, 0.2134,
0.2883

■ 30.5844, 0.2134,
0.2883

■ 30.5874, 0.2134,
0.2883

■ 31.5991, 0.2162,
0.2927

■ 32.7607, 0.2205,
0.2971

■ 34.1207, 0.2267,
0.3015

■ 35.7035, 0.2347,
0.3060

■ 37.5299, 0.2446,
0.3103

■ 39.6181, 0.2560,
0.3145

■ 41.9845, 0.2689,
0.3185

■ 44.6441, 0.2828,
0.3223

■ 47.6107, 0.2975,
0.3258

Harmonies

Analogous

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



30.5844, 0.2347, 0.3417



30.5844, 0.2134, 0.2883



30.5844, 0.2157, 0.2533

Triad

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



30.5844, 0.2134, 0.2883



30.5844, 0.3428, 0.2727



30.5844, 0.3836, 0.4258

Complementary

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



30.5844, 0.2134, 0.2883



11.4744, 0.6291, 0.3387

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.



30.5844, 0.4182, 0.3958



30.5844, 0.2134, 0.2883



30.5844, 0.3951, 0.3101

Square

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



30.5844, 0.2134, 0.2883



30.5844, 0.2859, 0.2479



30.5844, 0.4234, 0.3537



30.5844, 0.3316, 0.4291

Rectangle

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



30.5844, 0.2134, 0.2883



30.5844, 0.2300, 0.2422



30.5844, 0.4234, 0.3537



30.5844, 0.3977, 0.4180

Sweetspot

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



30.5874, 0.2134, 0.2883



74.9659, 0.2682, 0.3183



36.4598, 0.2976, 0.5915



15.7257, 0.2627, 0.3167



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



30.5874, 0.2134, 0.2883



54.5246, 0.2132, 0.2876



8.3687, 0.1670, 0.1212



10.5971, 0.2985, 0.3260



20.6542, 0.2136, 0.2889



0.8676, 0.2165, 0.2993

Inverse Universe

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



13.5376, 0.3559, 0.1734



24.2165, 0.3565, 0.1737



23.4409, 0.5072, 0.4355



9.6749, 0.3156, 0.3092



9.1148, 0.3554, 0.1731



0.3629, 0.3460, 0.1680

Previews

White Background



This preview shows how the Yxy color 30.5844, 0.2134, 0.2883 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 30.5844, 0.2134, 0.2883 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

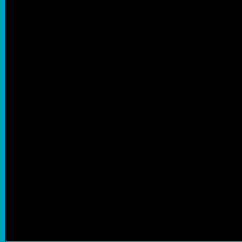
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.5844, 0.2134, 0.2883

Background



This preview shows how black text looks on a background with the Yxy color 30.5844, 0.2134, 0.2883.

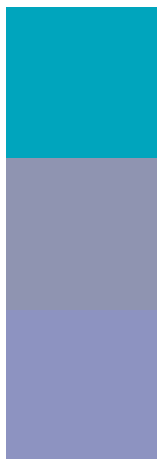


This preview shows how white text looks on a background with the Yxy color 30.5844, 0.2134, 0.2883.

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

30.5844, 0.2134, 0.2883

Protanopia

30.1938, 0.2819, 0.2851

Deuteranopia

30.3804, 0.2674, 0.2617



Tritanopia

30.5271, 0.2184, 0.3062

Trichromacy



Original Color

30.5844, 0.2134, 0.2883



Protanomaly

28.6715, 0.2400, 0.2843



Deuteranomaly

29.0906, 0.2330, 0.2680



Tritanomaly

30.6913, 0.2166, 0.2996

Monochromacy



Original Color

30.5844, 0.2134, 0.2883



Achromatopsia

18.1164, 0.3127, 0.3290



Achromatomaly

20.8374, 0.2479, 0.3111

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.5844, 0.2134, 0.2883 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, 165, 189)` looks like.

```
.text, #text, p{  
    color:rgb(0, 165, 189)  
}
```

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, 165, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 165, 189) }
```

Border

The CSS property to change the border of an element to Yxy 30.5844, 0.2134, 0.2883 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, 165, 189) }
```

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

```
.border{ border-color:rgb(0, 165, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 165, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 165, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 165, 189);  
box-shadow:4px 4px 4px 4px rgb(0, 165,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 30.5844, 0.2134, 0.2883 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 165, 189) }
```

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

```
.background{ background-color: rgb(0, 165,  
189) }
```

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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