

Converting Colors

$Y_{xy}(30.3319, 0.2370, 0.3602)$

Have a look what the booklet for
Yxy(30.3319, 0.2370, 0.3602)
contains.

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Color

Yxy(30.4865, 0.2370, 0.3601)

Conversions

Conversions Part 1

Format	Color
Hex	1CA897
RGB	28, 168, 151
RGB Percent	11%, 66%, 59%
CMY	0.8908, 0.3411, 0.4078
CMYK	0.83, 0.00, 0.10, 0.34
HSL	173°, 72%, 38%
HSV	173°, 83%, 66%
XYZ	20.0647, 30.4865, 34.1100
YIQ	124.2020, -77.9830, -34.9670

Conversions

Conversions Part 2

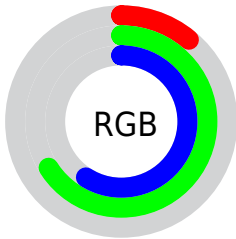
Format	Color
R_{YB}	28, 103, 168
Decimal	1878167
CIE _{Lab}	62.07, -38.80, -1.23
CIE _{LCh}	62, 38.820, 181.810
Yxy	30.4865, 0.2370, 0.3601
Android (android.graphics.Color)	4280068247 (0xFF1CA897)
YUV	124.2020, 13.2114, -84.3692
Hunter-Lab	55.2146, -31.7595, 2.0225

Details

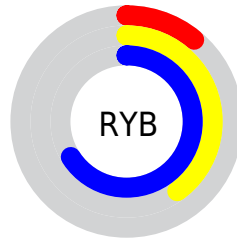
The Yxy color **30.4865, 0.2370, 0.3601** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.3368, 0.5727, 0.3140**, and the grayscale version is **20.1865, 0.3127, 0.3290**.

A 20% lighter version of the original color is **60.4858, 0.2522, 0.3544**, and **13.1816, 0.2357, 0.3685** is the 20% darker color. If you saturate the color by 10%, you get **30.2488, 0.2356, 0.3642**, and if you desaturate by 10%, it is **30.8596, 0.2402, 0.3559**.

Distribution



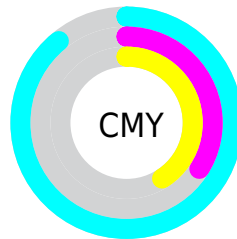
- Red (11%)
- Green (66%)
- Blue (59%)



- Red (11%)
- Yellow (40%)
- Blue (66%)



- Cyan (83%)
- Magenta (0%)
- Yellow (10%)
- Black (34%)





- Cyan (89%)
- Magenta (34%)
- Yellow (41%)


Brightness & Saturation Gradients


These gradients show how the Yxy color 30.4865, 0.2370, 0.3601 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 30.4865, 0.2370, 0.3601 by changing the saturation by 10% instead.


 30.4865, 0.2370,
0.3601


 30.4865, 0.2370,
0.3601


 304.1656, 0.2770,
0.3438


 20.2081, 0.2263,
0.3644


 60.4307, 0.2521,
0.3540


 12.5464, 0.2122,
0.3700


 80.8653, 0.2576,
0.3518

 7.1170, 0.1927,
0.3776


 105.4542, 0.2622,
0.3499

 3.5354, 0.1644,
0.3885

 134.5817, 0.2661,
0.3483

 1.4172, 0.0949,
0.4164

 168.6322, 0.2694,
0.3470

 0.2294, 0.0000,
0.4061

 207.9900, 0.2723,

 0.0000, 0.0000,

0.3458

0.0000

253.0397, 0.2748,
0.3447

■ 30.4865, 0.2370,
0.3601

■ 30.4865, 0.2370,
0.3601

■ 30.2488, 0.2356,
0.3642

■ 30.8596, 0.2402,
0.3559

■ 30.1349, 0.2353,
0.3670

■ 31.3839, 0.2452,
0.3518

■ 32.0768, 0.2521,
0.3477

■ 32.9522, 0.2608,
0.3437

■ 34.0229, 0.2709,
0.3399

■ 35.3004, 0.2824,
0.3364

■ 36.7951, 0.2948,
0.3330

■ 38.5169, 0.3081,
0.3300

■ 40.4751, 0.3218,
0.3272

Harmonies

Analogous

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



30.4865, 0.2882, 0.4183



30.4865, 0.2370, 0.3601



30.4865, 0.2074, 0.2974

Triad

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



30.4865, 0.2370, 0.3601



30.4865, 0.2678, 0.2361



30.4865, 0.4343, 0.3897

Complementary

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



30.4865, 0.2370, 0.3601



9.3368, 0.5727, 0.3140

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.



30.4865, 0.4306, 0.3422



30.4865, 0.2370, 0.3601



30.4865, 0.3286, 0.2585

Square

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



30.4865, 0.2370, 0.3601



30.4865, 0.2240, 0.2332



30.4865, 0.3904, 0.2960



30.4865, 0.4030, 0.4287

Rectangle

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



30.4865, 0.2370, 0.3601



30.4865, 0.2019, 0.2652



30.4865, 0.3904, 0.2960



30.4865, 0.4373, 0.3742

Sweetspot

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



30.4877, 0.2370, 0.3601



63.5493, 0.2800, 0.3371



28.6845, 0.3081, 0.5753



13.6777, 0.2761, 0.3383



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.



30.4877, 0.2370, 0.3601



54.6570, 0.2355, 0.3677



15.7046, 0.2011, 0.2279



8.5162, 0.3002, 0.3317



22.7593, 0.2352, 0.3665



0.5580, 0.2314, 0.3528

Inverse Universe

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



9.3368, 0.5727, 0.3140



15.1839, 0.6267, 0.3226



14.0347, 0.5326, 0.3899



7.5566, 0.3267, 0.3263



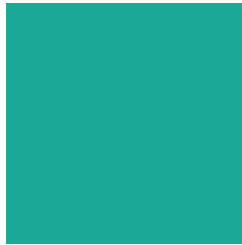
6.3300, 0.6221, 0.3201



0.1584, 0.5601, 0.2859

Previews

White Background



This preview shows how the Yxy color 30.4865, 0.2370, 0.3601 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 30.4865, 0.2370, 0.3601 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

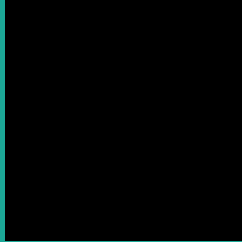
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.4865, 0.2370, 0.3601

Background



This preview shows how black text looks on a background with the Yxy color 30.4865, 0.2370, 0.3601.

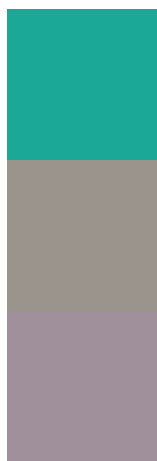


This preview shows how white text looks on a background with the Yxy color 30.4865, 0.2370, 0.3601.

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

30.4865, 0.2370, 0.3601

Protanopia

29.9433, 0.3268, 0.3415

Deuteranopia

29.8204, 0.3178, 0.3110



Tritanopia

30.4434, 0.2266, 0.3048

Trichromacy



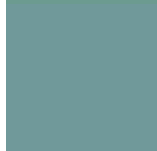
Original Color

30.4865, 0.2370, 0.3601



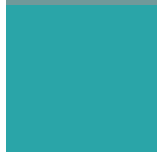
Protanomaly

28.6445, 0.2788, 0.3481



Deuteranomaly

28.5603, 0.2739, 0.3272



Tritanomaly

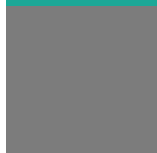
30.2297, 0.2298, 0.3235

Monochromacy



Original Color

30.4865, 0.2370, 0.3601



Achromatopsia

20.1556, 0.3127, 0.3290



Achromatomaly

22.6012, 0.2682, 0.3405

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.4865, 0.2370, 0.3601 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(28, 168, 151)` looks like.

```
.text, #text, p{  
    color:rgb(28, 168, 151)  
}
```

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(28, 168, 151) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(28, 168, 151) }
```

Border

The CSS property to change the border of an element to Yxy 30.4865, 0.2370, 0.3601 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(28, 168, 151) }
```

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

```
.border{ border-color:rgb(28, 168, 151) }
```

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

Here you see how a box with a 4 pixel `rgb(28, 168, 151)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(28, 168, 151); -webkit-box-  
shadow:4px 4px 4px 4px rgb(28, 168, 151);  
box-shadow:4px 4px 4px 4px rgb(28, 168,  
151) }
```


Background

The CSS property to change the background color of an element to Yxy 30.4865, 0.2370, 0.3601 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(28, 168, 151) }
```

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

```
.background{ background-color: rgb(28, 168,  
151) }
```

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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