

Converting Colors

$Y_{xy}(34.9880, 0.2207, 0.3059)$

Have a look what the booklet for
Yxy(34.9880, 0.2207, 0.3059)
contains.

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Color

Yxy(34.9880, 0.2207, 0.3059)

Conversions

Conversions Part 1

Format	Color
Hex	1AB0BE
RGB	26, 176, 190
RGB Percent	10%, 69%, 75%
CMY	0.8987, 0.3098, 0.2548
CMYK	0.86, 0.07, 0.00, 0.25
HSL	185°, 76%, 42%
HSV	185°, 86%, 75%
XYZ	25.2431, 34.9880, 54.1462
YIQ	132.7460, -93.8940, -27.4460

Conversions

Conversions Part 2

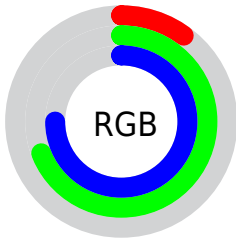
Format	Color
R _Y B	26, 104, 190
Decimal	1749182
CIE Lab	65.74, -30.93, -17.52
CIE LCh	66, 35.549, 209.532
Yxy	34.9880, 0.2207, 0.3059
Android (android.graphics.Color)	4279939262 (0xFF1AB0BE)
YUV	132.7460, 28.2262, -93.6162
Hunter-Lab	59.1507, -27.3372, -12.8683

Details

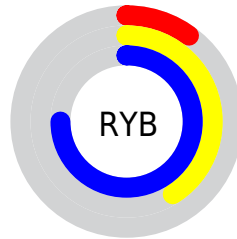
The Yxy color **34.9880, 0.2207, 0.3059** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **12.5288, 0.6006, 0.3393**, and the grayscale version is **23.2610, 0.3127, 0.3290**.

A 20% lighter version of the original color is **67.4312, 0.2377, 0.3117**, and **15.9721, 0.2159, 0.2974** is the 20% darker color. If you saturate the color by 10%, you get **34.1841, 0.2180, 0.3030**, and if you desaturate by 10%, it is **35.9654, 0.2251, 0.3088**.

Distribution



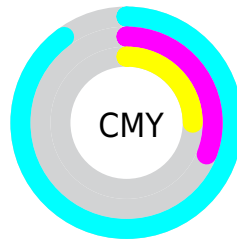
- Red (10%)
- Green (69%)
- Blue (75%)



- Red (10%)
- Yellow (41%)
- Blue (75%)



- Cyan (86%)
- Magenta (7%)
- Yellow (0%)
- Black (25%)





- Cyan (90%)
- Magenta (31%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 34.9880, 0.2207, 0.3059 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 34.9880, 0.2207, 0.3059 by changing the saturation by 10% instead.


 34.9880, 0.2207,
0.3059


 34.9880, 0.2207,
0.3059


324.5154, 0.2672,
0.3195

 23.6536, 0.2091,
0.3018

 67.4672, 0.2376,
0.3113


 15.0769, 0.1943,
0.2962


 89.3808, 0.2440,
0.3132

 8.8734, 0.1749,
0.2880


 115.5896, 0.2493,
0.3148

 4.6587, 0.1485,
0.2752

 146.4780, 0.2539,
0.3160

 2.0484, 0.1116,
0.2534

 182.4303, 0.2579,
0.3171

 0.6354, 0.0000,
0.2191

223.8311, 0.2614,

 0.0000, 0.0000,

0.3180

0.0000

271.0646, 0.2644,
0.3188

■ 34.9880, 0.2207,
0.3059

■ 34.9880, 0.2207,
0.3059

■ 34.1841, 0.2180,
0.3030

■ 35.9654, 0.2251,
0.3088

■ 33.9152, 0.2172,
0.3020

■ 37.1428, 0.2314,
0.3117

■ 38.5446, 0.2395,
0.3146

■ 40.1906, 0.2495,
0.3175

■ 42.0987, 0.2611,
0.3202

■ 44.2847, 0.2740,
0.3229

■ 46.7633, 0.2881,
0.3253

■ 49.5482, 0.3029,
0.3276

■ 52.6521, 0.3183,
0.3297

Harmonies

Analogous

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



34.9880, 0.2491, 0.3606



34.9880, 0.2207, 0.3059



34.9880, 0.2150, 0.2648

Triad

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



34.9880, 0.2207, 0.3059



34.9880, 0.3227, 0.2643



34.9880, 0.3957, 0.4153

Complementary

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



34.9880, 0.2207, 0.3059



12.5288, 0.6006, 0.3393

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.



34.9880, 0.4204, 0.3808



34.9880, 0.2207, 0.3059



34.9880, 0.3770, 0.2973

Square

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



34.9880, 0.2207, 0.3059



34.9880, 0.2699, 0.2455



34.9880, 0.4141, 0.3385



34.9880, 0.3495, 0.4286

Rectangle

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



34.9880, 0.2207, 0.3059



34.9880, 0.2239, 0.2490



34.9880, 0.4141, 0.3385



34.9880, 0.4069, 0.4054

Sweetspot

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



34.9893, 0.2207, 0.3059



80.2322, 0.2740, 0.3229



37.2006, 0.2977, 0.5764



17.3002, 0.2693, 0.3220



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



34.9893, 0.2207, 0.3059



61.2650, 0.2171, 0.3016



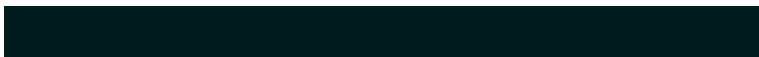
11.9827, 0.1807, 0.1576



10.6665, 0.2985, 0.3270



22.6046, 0.2173, 0.3024



0.9268, 0.2192, 0.3093

Inverse Universe

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



14.8148, 0.3398, 0.1710



25.3425, 0.3440, 0.1669



24.8440, 0.4932, 0.4325



9.6819, 0.3150, 0.3083



9.3116, 0.3433, 0.1665



0.3689, 0.3374, 0.1632

Previews

White Background



This preview shows how the Yxy color 34.9880, 0.2207, 0.3059 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 34.9880, 0.2207, 0.3059 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

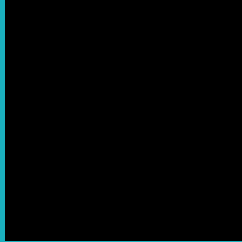
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 34.9880, 0.2207, 0.3059

Background



This preview shows how black text looks on a background with the Yxy color 34.9880, 0.2207, 0.3059.



This preview shows how white text looks on a background with the Yxy color 34.9880, 0.2207, 0.3059.

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

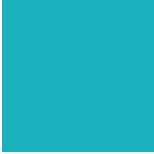
34.9880, 0.2207, 0.3059

Protanopia

34.3962, 0.2935, 0.2986

Deuteranopia

34.4507, 0.2797, 0.2731



Tritanopia

34.9880, 0.2207, 0.3059

Trichromacy



Original Color

34.9880, 0.2207, 0.3059

Protanomaly

33.1795, 0.2539, 0.3006

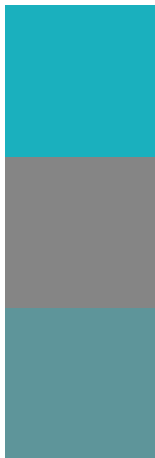
Deuteranomaly

33.2959, 0.2467, 0.2829

Tritanomaly

34.9880, 0.2207, 0.3059

Monochromacy



Original Color

34.9880, 0.2207, 0.3059

Achromatopsia

23.4551, 0.3127, 0.3290

Achromatomaly

26.2077, 0.2588, 0.3199

CSS Examples

Text

The CSS property to change the color of the text to Yxy 34.9880, 0.2207, 0.3059 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(26, 176, 190)` looks like.

```
.text, #text, p{  
    color:rgb(26, 176, 190)  
}
```

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(26, 176, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 176, 190) }
```

Border

The CSS property to change the border of an element to Yxy 34.9880, 0.2207, 0.3059 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(26, 176, 190) }
```

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

```
.border{ border-color:rgb(26, 176, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 176, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 176, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 176, 190);  
box-shadow:4px 4px 4px 4px rgb(26, 176,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 34.9880, 0.2207, 0.3059 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 176, 190) }
```

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

```
.background{ background-color: rgb(26, 176,  
190) }
```

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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