

Converting Colors

$Y_{xy}(30.7973, 0.2256, 0.3217)$

Have a look what the booklet for
Yxy(30.7973, 0.2256, 0.3217)
contains.

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Color

Yxy(30.7973, 0.2256, 0.3217)

Conversions

Conversions Part 1

Format	Color
Hex	1AA7AB
RGB	26, 167, 171
RGB Percent	10%, 65%, 67%
CMY	0.8977, 0.3451, 0.3294
CMYK	0.85, 0.02, 0.00, 0.33
HSL	182°, 74%, 39%
HSV	182°, 85%, 67%
XYZ	21.5974, 30.7973, 43.3383
YIQ	125.2970, -85.3200, -28.6480

Conversions

Conversions Part 2

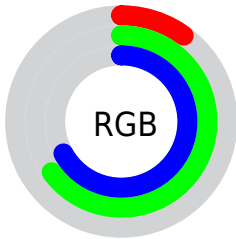
Format	Color
RYB	26, 97, 171
Decimal	1746859
CIELab	62.34, -32.55, -12.06
CIELCh	62, 34.706, 200.327
Yxy	30.7973, 0.2256, 0.3217
Android (android.graphics.Color)	4279936939 (0xFF1AA7AB)
YUV	125.2970, 22.5316, -87.0835
Hunter-Lab	55.4953, -27.6492, -7.4550

Details

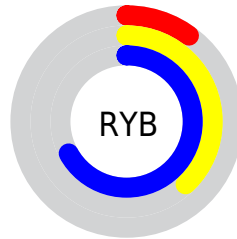
The Yxy color **30.7973, 0.2256, 0.3217** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.6674, 0.6008, 0.3328**, and the grayscale version is **20.5668, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.0911, 0.2425, 0.3249**, and **13.3665, 0.2212, 0.3163** is the 20% darker color. If you saturate the color by 10%, you get **30.4626, 0.2232, 0.3208**, and if you desaturate by 10%, it is **31.2690, 0.2297, 0.3226**.

Distribution



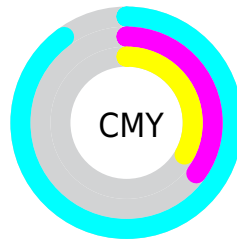
- Red (10%)
- Green (65%)
- Blue (67%)



- Red (10%)
- Yellow (38%)
- Blue (67%)



- Cyan (85%)
- Magenta (2%)
- Yellow (0%)
- Black (33%)




- Cyan (90%)
- Magenta (35%)
- Yellow (33%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.7973, 0.2256, 0.3217 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 30.7973, 0.2256, 0.3217 by changing the saturation by 10% instead.


 30.7973, 0.2256,
0.3217


 30.7973, 0.2256,
0.3217


305.6034, 0.2708,
0.3270


 20.4445, 0.2139,
0.3198


 60.9208, 0.2424,
0.3241


 12.7186, 0.1987,
0.3168

 81.4603, 0.2486,
0.3248


 7.2351, 0.1782,
0.3121


 106.1643, 0.2538,
0.3254

 3.6095, 0.1495,
0.3038

 135.4169, 0.2582,
0.3258

 1.4576, 0.1000,
0.2894

 169.6028, 0.2620,
0.3262

 0.2586, 0.0000,
0.1858

209.1062, 0.2653,

 0.0000, 0.0000,

0.3265

0.0000

254.3116, 0.2682,
0.3268

■ 30.7973, 0.2256,
0.3217

■ 30.7973, 0.2256,
0.3217

■ 30.4626, 0.2232,
0.3208

■ 31.2690, 0.2297,
0.3226

■ 30.3139, 0.2223,
0.3204

■ 31.8954, 0.2356,
0.3235

■ 32.6947, 0.2434,
0.3245

■ 33.6820, 0.2530,
0.3254

■ 34.8705, 0.2642,
0.3262

■ 36.2725, 0.2769,
0.3271

■ 37.8990, 0.2907,
0.3279

■ 39.7605, 0.3055,
0.3287

■ 41.8666, 0.3208,
0.3294

Harmonies

Analogous

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



30.7973, 0.2609, 0.3783



30.7973, 0.2256, 0.3217



30.7973, 0.2126, 0.2742

Triad

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



30.7973, 0.2256, 0.3217



30.7973, 0.3053, 0.2556



30.7973, 0.4078, 0.4075

Complementary

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



30.7973, 0.2256, 0.3217



9.6674, 0.6008, 0.3328

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.



30.7973, 0.4240, 0.3687



30.7973, 0.2256, 0.3217



30.7973, 0.3622, 0.2852

Square

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



30.7973, 0.2256, 0.3217



30.7973, 0.2553, 0.2417



30.7973, 0.4073, 0.3252



30.7973, 0.3660, 0.4295

Rectangle

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



30.7973, 0.2256, 0.3217



30.7973, 0.2170, 0.2537



30.7973, 0.4073, 0.3252



30.7973, 0.4166, 0.3957

Sweetspot

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



30.7984, 0.2256, 0.3217



64.7669, 0.2759, 0.3270



29.4363, 0.3002, 0.5811



14.2445, 0.2715, 0.3268



86.8899, 0.3127, 0.3290



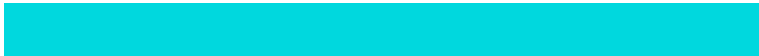
16.2647, 0.3127, 0.3290

Same Dimension

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



30.7984, 0.2256, 0.3217



54.2297, 0.2223, 0.3202



11.5513, 0.1881, 0.1815



9.0335, 0.2987, 0.3283



22.8628, 0.2224, 0.3204



0.6476, 0.2231, 0.3231

Inverse Universe

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



12.1916, 0.3264, 0.1648



20.4489, 0.3280, 0.1581



18.0341, 0.5032, 0.4195



8.1442, 0.3142, 0.3073



8.6111, 0.3278, 0.1580



0.2407, 0.3256, 0.1567

Previews

White Background



This preview shows how the Yxy color 30.7973, 0.2256, 0.3217 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 30.7973, 0.2256, 0.3217 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

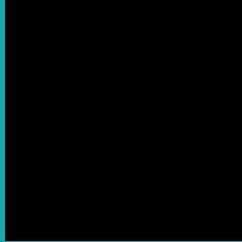
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

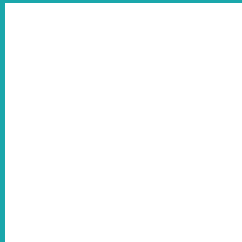
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 30.7973, 0.2256, 0.3217

Background



This preview shows how black text looks on a background with the Yxy color 30.7973, 0.2256, 0.3217.

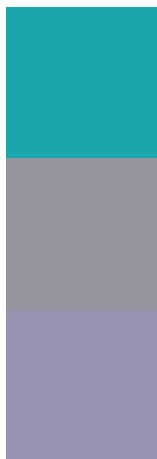


This preview shows how white text looks on a background with the Yxy color 30.7973, 0.2256, 0.3217.

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

30.7973, 0.2256, 0.3217

Protanopia

30.4225, 0.3025, 0.3121

Deuteranopia

30.3678, 0.2911, 0.2845



Tritanopia

30.9022, 0.2232, 0.3065

Trichromacy



Original Color

30.7973, 0.2256, 0.3217



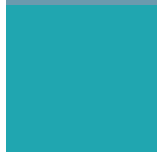
Protanomaly

29.4003, 0.2607, 0.3154



Deuteranomaly

29.2314, 0.2546, 0.2961



Tritanomaly

30.7141, 0.2238, 0.3114

Monochromacy



Original Color

30.7973, 0.2256, 0.3217



Achromatopsia

20.5079, 0.3127, 0.3290



Achromatomaly

22.8330, 0.2617, 0.3251

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.7973, 0.2256, 0.3217 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, 167, 171)` looks like.

```
.text, #text, p{  
    color:rgb(26, 167, 171)  
}
```

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, 167, 171) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(26, 167, 171) }
```

Border

The CSS property to change the border of an element to Yxy 30.7973, 0.2256, 0.3217 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, 167, 171) }
```

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

```
.border{ border-color:rgb(26, 167, 171) }
```

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

Here you see how a box with a 4 pixel `rgb(26, 167, 171)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(26, 167, 171); -webkit-box-  
shadow:4px 4px 4px 4px rgb(26, 167, 171);  
box-shadow:4px 4px 4px 4px rgb(26, 167,  
171) }
```


Background

The CSS property to change the background color of an element to Yxy 30.7973, 0.2256, 0.3217 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(26, 167, 171) }
```

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

```
.background{ background-color: rgb(26, 167,  
171) }
```

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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