

Converting Colors

$Yxy(30.7568, 0.2334, 0.3435)$

Have a look what the booklet for
Yxy(30.7568, 0.2334, 0.3435)
contains.

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Color

Yxy(30.8667, 0.2332, 0.3431)

Conversions

Conversions Part 1

Format	Color
Hex	21A8A0
RGB	33, 168, 160
RGB Percent	13%, 66%, 63%
CMY	0.8700, 0.3412, 0.3725
CMYK	0.80, 0.00, 0.05, 0.34
HSL	176°, 67%, 39%
HSV	176°, 80%, 66%
XYZ	20.9796, 30.8667, 38.1178
YIQ	126.7230, -77.8920, -31.1080

Conversions

Conversions Part 2

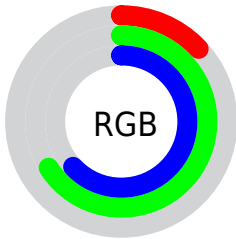
Format	Color
R _Y B	33, 103, 168
Decimal	2205856
CIE Lab	62.39, -35.74, -5.79
CIE LCh	62, 36.202, 189.208
Yxy	30.8667, 0.2332, 0.3431
Android (android.graphics.Color)	4280395936 (0xFF21A8A0)
YUV	126.7230, 16.4056, -82.1951
Hunter-Lab	55.5578, -29.8213, -1.7880

Details

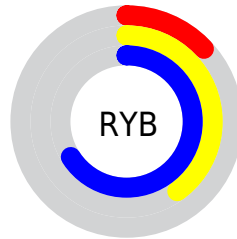
The Yxy color **30.8667, 0.2332, 0.3431** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **9.5815, 0.5750, 0.3222**, and the grayscale version is **21.1022, 0.3127, 0.3290**.

A 20% lighter version of the original color is **61.1607, 0.2486, 0.3407**, and **13.3656, 0.2289, 0.3442** is the 20% darker color. If you saturate the color by 10%, you get **30.6206, 0.2308, 0.3450**, and if you desaturate by 10%, it is **31.2538, 0.2374, 0.3412**.

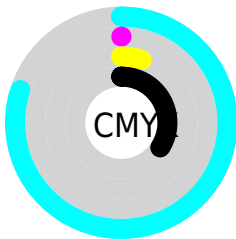
Distribution



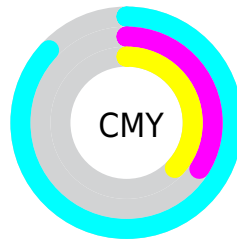
- Red (13%)
- Green (66%)
- Blue (63%)



- Red (13%)
- Yellow (40%)
- Blue (66%)



- Cyan (80%)
- Magenta (0%)
- Yellow (5%)
- Black (34%)




- Cyan (87%)
- Magenta (34%)
- Yellow (37%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 30.8667, 0.2332, 0.3431 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 30.8667, 0.2332, 0.3431 by changing the saturation by 10% instead.


 30.8667, 0.2332,
0.3431


 30.8667, 0.2332,
0.3431


305.9237, 0.2748,
0.3365


 20.4974, 0.2222,
0.3445

 61.0301, 0.2488,
0.3408

 12.7571, 0.2079,
0.3462


 81.5930, 0.2545,
0.3399

 7.2615, 0.1883,
0.3481


 106.3226, 0.2593,
0.3391

 3.6262, 0.1603,
0.3498

 135.6032, 0.2633,
0.3385

 1.4667, 0.1045,
0.3549

 169.8192, 0.2668,
0.3379

 0.2651, 0.0000,
0.2765

209.3550, 0.2698,

 0.0000, 0.0000,

0.3373

0.0000

254.5951, 0.2725,
0.3369

■ 30.8667, 0.2332,
0.3431

■ 30.8667, 0.2332,
0.3431

■ 30.6206, 0.2308,
0.3450

■ 31.2538, 0.2374,
0.3412

■ 30.4739, 0.2297,
0.3469

■ 31.7967, 0.2435,
0.3392

■ 32.5118, 0.2514,
0.3373

■ 33.4128, 0.2610,
0.3354

■ 34.5118, 0.2722,
0.3337

■ 35.8200, 0.2846,
0.3320

■ 37.3477, 0.2981,
0.3305

■ 39.1047, 0.3123,
0.3290

■ 41.0999, 0.3270,
0.3278

Harmonies

Analogous

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



30.8667, 0.2771, 0.4001



30.8667, 0.2332, 0.3431



30.8667, 0.2110, 0.2879

Triad

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



30.8667, 0.2332, 0.3431



30.8667, 0.2840, 0.2455



30.8667, 0.4216, 0.3966

Complementary

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



30.8667, 0.2332, 0.3431



9.5815, 0.5750, 0.3222

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.



30.8667, 0.4264, 0.3532



30.8667, 0.2332, 0.3431



30.8667, 0.3425, 0.2706

Square

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



30.8667, 0.2332, 0.3431



30.8667, 0.2381, 0.2380



30.8667, 0.3966, 0.3087



30.8667, 0.3863, 0.4281

Rectangle

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



30.8667, 0.2332, 0.3431



30.8667, 0.2096, 0.2612



30.8667, 0.3966, 0.3087



30.8667, 0.4270, 0.3828

Sweetspot

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



30.8679, 0.2332, 0.3431



63.9666, 0.2793, 0.3327



28.6092, 0.3047, 0.5720



13.7677, 0.2750, 0.3333



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.



30.8679, 0.2332, 0.3431



55.3738, 0.2300, 0.3465



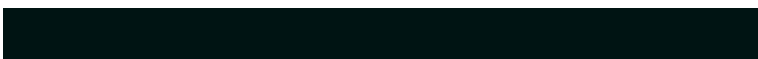
14.2107, 0.1988, 0.2136



8.5243, 0.2995, 0.3303



23.0170, 0.2296, 0.3467



0.5622, 0.2279, 0.3403

Inverse Universe

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



9.5815, 0.5750, 0.3222



15.3520, 0.6282, 0.3265



16.0174, 0.5091, 0.4034



7.5492, 0.3277, 0.3277



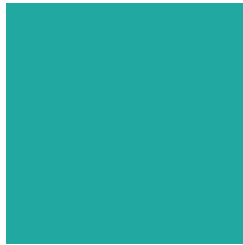
6.3057, 0.6320, 0.3255



0.1556, 0.5975, 0.3065

Previews

White Background



This preview shows how the Yxy color 30.8667, 0.2332, 0.3431 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 30.8667, 0.2332, 0.3431 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

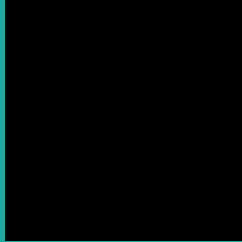
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 30.8667, 0.2332, 0.3431

Background



This preview shows how black text looks on a background with the Yxy color 30.8667, 0.2332, 0.3431.

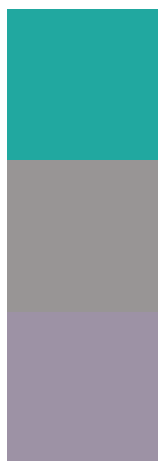


This preview shows how white text looks on a background with the Yxy color 30.8667, 0.2332, 0.3431.

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

30.8667, 0.2332, 0.3431

Protanopia

30.3402, 0.3158, 0.3290

Deuteranopia

30.4425, 0.3059, 0.3006



Tritanopia

30.7933, 0.2259, 0.3049

Trichromacy



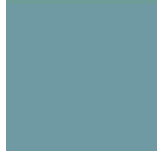
Original Color

30.8667, 0.2332, 0.3431



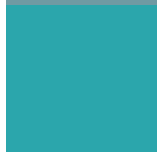
Protanomaly

29.3281, 0.2727, 0.3340



Deuteranomaly

29.2003, 0.2671, 0.3139



Tritanomaly

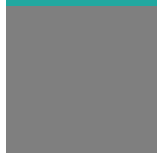
30.7646, 0.2284, 0.3183

Monochromacy



Original Color

30.8667, 0.2332, 0.3431



Achromatopsia

21.2231, 0.3127, 0.3290



Achromatomaly

23.5372, 0.2679, 0.3345

CSS Examples

Text

The CSS property to change the color of the text to Yxy 30.8667, 0.2332, 0.3431 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(33, 168, 160)` looks like.

```
.text, #text, p{  
    color:rgb(33, 168, 160)  
}
```

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(33, 168, 160) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(33, 168, 160) }
```

Border

The CSS property to change the border of an element to Yxy 30.8667, 0.2332, 0.3431 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(33, 168, 160) }
```

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

```
.border{ border-color:rgb(33, 168, 160) }
```

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

Here you see how a box with a 4 pixel `rgb(33, 168, 160)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(33, 168, 160); -webkit-box-  
shadow:4px 4px 4px 4px rgb(33, 168, 160);  
box-shadow:4px 4px 4px 4px rgb(33, 168,  
160) }
```


Background

The CSS property to change the background color of an element to Yxy 30.8667, 0.2332, 0.3431 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(33, 168, 160) }
```

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

```
.background{ background-color: rgb(33, 168,  
160) }
```

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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