

Converting Colors

$Yxy(33.6816, 0.2221, 0.3084)$

Have a look what the booklet for
Yxy(33.6816, 0.2221, 0.3084)
contains.

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Color

Yxy(33.6659, 0.2223, 0.3088)

Conversions

Conversions Part 1

Format	Color
Hex	1EADB9
RGB	30, 173, 185
RGB Percent	12%, 68%, 73%
CMY	0.8824, 0.3216, 0.2745
CMYK	0.84, 0.06, 0.00, 0.27
HSL	185°, 72%, 42%
HSV	185°, 84%, 73%
XYZ	24.2355, 33.6659, 51.1203
YIQ	131.6110, -89.0800, -26.5840

Conversions

Conversions Part 2

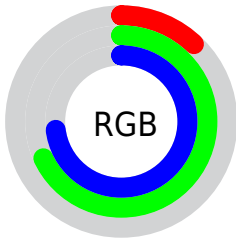
Format	Color
RYB	30, 104, 185
Decimal	2010553
CIELab	64.70, -30.77, -16.31
CIELCh	65, 34.826, 207.930
Yxy	33.6659, 0.2223, 0.3088
Android (android.graphics.Color)	4280200633 (0xFF1EADB9)
YUV	131.6110, 26.3208, -89.1128
Hunter-Lab	58.0223, -26.9809, -11.6215

Details

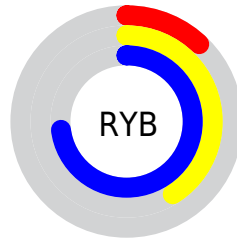
The Yxy color **33.6659, 0.2223, 0.3088** is a dark color, and the websafe version is hex **009999**. A complement of this color would be **12.0636, 0.5922, 0.3391**, and the grayscale version is **22.8547, 0.3127, 0.3290**.

A 20% lighter version of the original color is **65.4537, 0.2390, 0.3139**, and **15.0989, 0.2170, 0.3011** is the 20% darker color. If you saturate the color by 10%, you get **32.9195, 0.2193, 0.3062**, and if you desaturate by 10%, it is **34.5839, 0.2271, 0.3114**.

Distribution



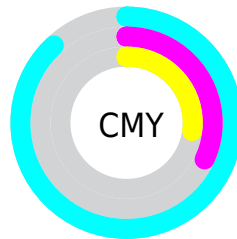
- Red (12%)
- Green (68%)
- Blue (73%)



- Red (12%)
- Yellow (41%)
- Blue (73%)



- Cyan (84%)
- Magenta (6%)
- Yellow (0%)
- Black (27%)





- Cyan (88%)
- Magenta (32%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 33.6659, 0.2223, 0.3088 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 33.6659, 0.2223, 0.3088 by changing the saturation by 10% instead.


 33.6659, 0.2223,
0.3088


 33.6659, 0.2223,
0.3088


318.6397, 0.2683,
0.3209


 22.6371, 0.2107,
0.3051


 65.4138, 0.2391,
0.3137


 14.3257, 0.1958,
0.2999


 86.9016, 0.2454,
0.3154

 8.3476, 0.1762,
0.2922


 112.6445, 0.2507,
0.3167

 4.3181, 0.1492,
0.2800

 143.0270, 0.2553,
0.3179

 1.8531, 0.1110,
0.2586

 178.4333, 0.2592,
0.3188

 0.5199, 0.0000,
0.2137

219.2480, 0.2626,

 0.0000, 0.0000,

0.3196

0.0000

265.8553, 0.2656,
0.3203

■ 33.6659, 0.2223,
0.3088

■ 33.6659, 0.2223,
0.3088

■ 32.9195, 0.2193,
0.3062

■ 34.5839, 0.2271,
0.3114

■ 32.5085, 0.2180,
0.3046

■ 35.6946, 0.2338,
0.3141

■ 37.0200, 0.2423,
0.3167

■ 38.5782, 0.2526,
0.3192

■ 40.3852, 0.2645,
0.3217

■ 42.4556, 0.2777,
0.3240

■ 44.8029, 0.2919,
0.3262

■ 47.4396, 0.3069,
0.3283

■ 50.3774, 0.3223,
0.3301

Harmonies

Analogous

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



33.6659, 0.2517, 0.3633



33.6659, 0.2223, 0.3088



33.6659, 0.2154, 0.2670

Triad

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



33.6659, 0.2223, 0.3088



33.6659, 0.3196, 0.2634



33.6659, 0.3971, 0.4132

Complementary

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



33.6659, 0.2223, 0.3088



12.0636, 0.5922, 0.3391

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.



33.6659, 0.4201, 0.3784



33.6659, 0.2223, 0.3088



33.6659, 0.3739, 0.2955

Square

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



33.6659, 0.2223, 0.3088



33.6659, 0.2677, 0.2455



33.6659, 0.4120, 0.3362



33.6659, 0.3521, 0.4278

Rectangle

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



33.6659, 0.2223, 0.3088



33.6659, 0.2234, 0.2505



33.6659, 0.4120, 0.3362



33.6659, 0.4078, 0.4032

Sweetspot

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



33.6671, 0.2223, 0.3088



75.4015, 0.2755, 0.3237



35.1302, 0.2983, 0.5735



15.9706, 0.2708, 0.3229



93.3107, 0.3127, 0.3290



18.7317, 0.3127, 0.3290

Same Dimension

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



33.6671, 0.2223, 0.3088



58.0631, 0.2178, 0.3042



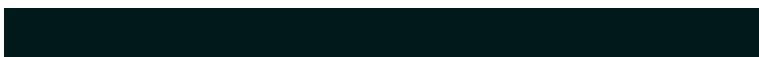
12.3585, 0.1848, 0.1681



10.0884, 0.2985, 0.3272



22.1832, 0.2180, 0.3049



0.8175, 0.2199, 0.3116

Inverse Universe

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



14.2600, 0.3372, 0.1716



23.7010, 0.3417, 0.1656



23.3255, 0.4913, 0.4292



9.1504, 0.3149, 0.3082



9.0217, 0.3411, 0.1653



0.3216, 0.3353, 0.1621

Previews

White Background



This preview shows how the Yxy color 33.6659, 0.2223, 0.3088 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 33.6659, 0.2223, 0.3088 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

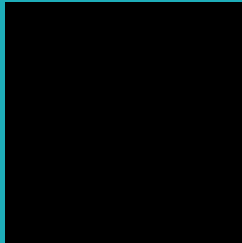
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

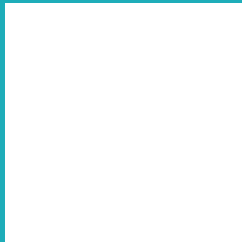
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 33.6659, 0.2223, 0.3088

Background



This preview shows how black text looks on a background with the Yxy color 33.6659, 0.2223, 0.3088.

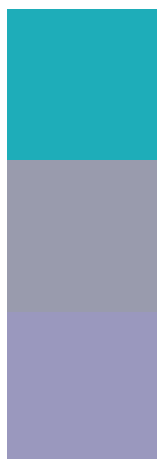


This preview shows how white text looks on a background with the Yxy color 33.6659, 0.2223, 0.3088.

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

33.6659, 0.2223, 0.3088

Protanopia

33.2321, 0.2949, 0.3025

Deuteranopia

33.0442, 0.2816, 0.2749



Tritanopia

33.7821, 0.2217, 0.3056

Trichromacy



Original Color

33.6659, 0.2223, 0.3088



Protanomaly

32.2031, 0.2560, 0.3049



Deuteranomaly

32.0237, 0.2490, 0.2853



Tritanomaly

33.7236, 0.2220, 0.3072

Monochromacy



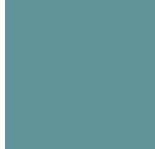
Original Color

33.6659, 0.2223, 0.3088



Achromatopsia

23.0740, 0.3127, 0.3290



Achromatomaly

25.5347, 0.2612, 0.3216

CSS Examples

Text

The CSS property to change the color of the text to Yxy 33.6659, 0.2223, 0.3088 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(30, 173, 185)` looks like.

```
.text, #text, p{  
    color:rgb(30, 173, 185)  
}
```

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(30, 173, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(30, 173, 185) }
```

Border

The CSS property to change the border of an element to Yxy 33.6659, 0.2223, 0.3088 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(30, 173, 185) }
```

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

```
.border{ border-color:rgb(30, 173, 185) }
```

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

Here you see how a box with a 4 pixel `rgb(30, 173, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(30, 173, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(30, 173, 185);  
box-shadow:4px 4px 4px 4px rgb(30, 173,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 33.6659, 0.2223, 0.3088 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(30, 173, 185) }
```

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

```
.background{ background-color: rgb(30, 173,  
185) }
```

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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