

Converting Colors

$Yxy(36.6982, 0.2237, 0.3253)$

Have a look what the booklet for
Yxy(36.6982, 0.2237, 0.3253)
contains.

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Color

Yxy(36.9166, 0.2237, 0.3255)

Conversions

Conversions Part 1

Format	Color
Hex	00B6B8
RGB	0, 182, 184
RGB Percent	0%, 71%, 72%
CMY	1.0000, 0.2862, 0.2785
CMYK	1.00, 0.01, 0.00, 0.28
HSL	181°, 100%, 36%
HSV	181°, 100%, 72%
XYZ	25.3709, 36.9166, 51.1275
YIQ	127.8100, -109.1140, -37.9620

Conversions

Conversions Part 2

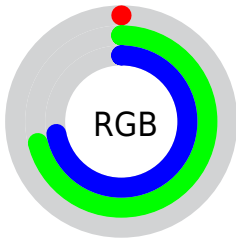
Format	Color
RYB	0, 91, 184
Decimal	46776
CIELab	67.21, -36.75, -11.98
CIELCh	67, 38.650, 198.054
Yxy	36.9166, 0.2237, 0.3255
Android (android.graphics.Color)	4278236856 (0xFF00B6B8)
YUV	127.8100, 27.7017, -112.0894
Hunter-Lab	60.7590, -31.7927, -7.3600

Details

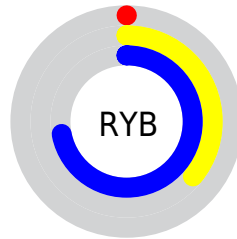
The Yxy color **36.9166, 0.2237, 0.3255** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **10.2314, 0.6393, 0.3306**, and the grayscale version is **21.4508, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.7336, 0.2401, 0.3276**, and **17.0770, 0.2228, 0.3220** is the 20% darker color. If you saturate the color by 10%, you get **36.9229, 0.2238, 0.3255**, and if you desaturate by 10%, it is **37.1361, 0.2253, 0.3258**.

Distribution



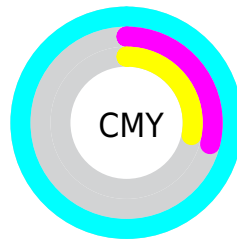
- Red (0%)
- Green (71%)
- Blue (72%)



- Red (0%)
- Yellow (36%)
- Blue (72%)



- Cyan (100%)
- Magenta (1%)
- Yellow (0%)
- Black (28%)





- Cyan (100%)
- Magenta (29%)
- Yellow (28%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 36.9166, 0.2237, 0.3255 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 36.9166, 0.2237, 0.3255 by changing the saturation by 10% instead.


 36.9166, 0.2237,
0.3255


 36.9166, 0.2237,
0.3255

332.9493, 0.2685,
0.3287

 25.1429, 0.2125,
0.3242


 70.4445, 0.2400,
0.3270

 16.1836, 0.1983,
0.3221


 92.9675, 0.2461,
0.3275


 9.6541, 0.1795,
0.3188


 119.8424, 0.2513,
0.3279

 5.1703, 0.1539,
0.3130

 151.4536, 0.2557,
0.3281

 2.3475, 0.1177,
0.3016

 188.1855, 0.2596,
0.3283

 0.7987, 0.0000,
0.2944

230.4225, 0.2629,

 0.0000, 0.0000,

0.3285

0.0000

278.5490, 0.2659,
0.3286

■ 36.9166, 0.2237,
0.3255

■ 36.9166, 0.2237,
0.3255

■ 36.9229, 0.2238,
0.3255

■ 37.1361, 0.2253,
0.3258

■ 37.4741, 0.2282,
0.3262

■ 37.9832, 0.2329,
0.3266

■ 38.6863, 0.2395,
0.3269

■ 39.6026, 0.2479,
0.3273

■ 40.7492, 0.2581,
0.3277

■ 42.1411, 0.2700,
0.3280

■ 43.7924, 0.2832,
0.3284

■ 45.7160, 0.2976,
0.3287

Harmonies

Analogous

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



36.9166, 0.2620, 0.3850



36.9166, 0.2237, 0.3255



36.9166, 0.2085, 0.2745

Triad

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



36.9166, 0.2237, 0.3255



36.9166, 0.3004, 0.2508



36.9166, 0.4144, 0.4081

Complementary

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



36.9166, 0.2237, 0.3255



10.2314, 0.6393, 0.3306

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.



36.9166, 0.4293, 0.3666



36.9166, 0.2237, 0.3255



36.9166, 0.3601, 0.2805

Square

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



36.9166, 0.2237, 0.3255



36.9166, 0.2493, 0.2377



36.9166, 0.4093, 0.3214



36.9166, 0.3721, 0.4335

Rectangle

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



36.9166, 0.2237, 0.3255



36.9166, 0.2118, 0.2521



36.9166, 0.4093, 0.3214



36.9166, 0.4230, 0.3953

Sweetspot

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



36.9229, 0.2238, 0.3255



76.2675, 0.2694, 0.3280



34.2752, 0.3000, 0.6000



16.2042, 0.2643, 0.3278



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.



36.9229, 0.2238, 0.3255



66.9197, 0.2237, 0.3254



11.1132, 0.1772, 0.1578



10.1937, 0.2985, 0.3287



25.4584, 0.2238, 0.3255



0.9028, 0.2240, 0.3264

Inverse Universe

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



13.5667, 0.3236, 0.1556



24.5951, 0.3236, 0.1557



17.8417, 0.5407, 0.4089



9.1610, 0.3139, 0.3067



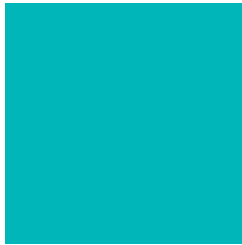
9.3524, 0.3236, 0.1556



0.3302, 0.3228, 0.1552

Previews

White Background



This preview shows how the Yxy color 36.9166, 0.2237, 0.3255 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 36.9166, 0.2237, 0.3255 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

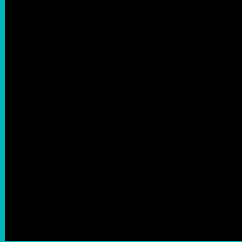
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 36.9166, 0.2237, 0.3255

Background



This preview shows how black text looks on a background with the Yxy color 36.9166, 0.2237, 0.3255.

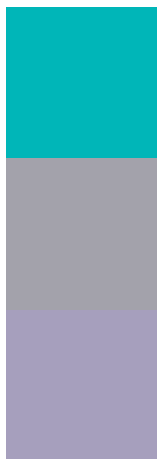


This preview shows how white text looks on a background with the Yxy color 36.9166, 0.2237, 0.3255.

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

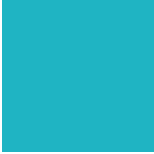
36.9166, 0.2237, 0.3255

Protanopia

36.5675, 0.3058, 0.3162

Deuteranopia

36.5774, 0.2935, 0.2877



Tritanopia

36.8740, 0.2211, 0.3049

Trichromacy



Original Color

36.9166, 0.2237, 0.3255



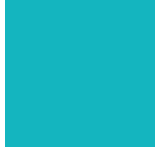
Protanomaly

34.4536, 0.2557, 0.3177



Deuteranomaly

34.2895, 0.2495, 0.2978



Tritanomaly

36.9581, 0.2218, 0.3126

Monochromacy



Original Color

36.9166, 0.2237, 0.3255



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

25.0673, 0.2535, 0.3288

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9166, 0.2237, 0.3255 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(0, 182, 184)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 184)  
}
```

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(0, 182, 184) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 184) }
```

Border

The CSS property to change the border of an element to Yxy 36.9166, 0.2237, 0.3255 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(0, 182, 184) }
```

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

```
.border{ border-color:rgb(0, 182, 184) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 182, 184)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 184); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 184);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
184) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9166, 0.2237, 0.3255 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 182, 184) }
```

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

```
.background{ background-color: rgb(0, 182,  
184) }
```

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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