

Converting Colors

$Y_{xy}(36.7941, 0.2207, 0.3241)$

Have a look what the booklet for
Yxy(36.7941, 0.2207, 0.3241)
contains.

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Color

Yxy(36.9587, 0.2233, 0.3238)

Conversions

Conversions Part 1

Format	Color
Hex	00B6B9
RGB	0, 182, 185
RGB Percent	0%, 71%, 73%
CMY	0.9990, 0.2863, 0.2745
CMYK	1.00, 0.02, 0.00, 0.27
HSL	181°, 100%, 36%
HSV	181°, 100%, 73%
XYZ	25.4876, 36.9587, 51.6942
YIQ	127.9240, -109.4350, -37.6510

Conversions

Conversions Part 2

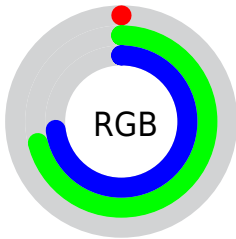
Format	Color
RYB	0, 92, 185
Decimal	46777
CIELab	67.25, -36.39, -12.50
CIELCh	67, 38.476, 198.952
Yxy	36.9587, 0.2233, 0.3238
Android (android.graphics.Color)	4278236857 (0xFF00B6B9)
YUV	127.9240, 28.1385, -112.1893
Hunter-Lab	60.7937, -31.5533, -7.8601

Details

The Yxy color **36.9587, 0.2233, 0.3238** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **10.3867, 0.6387, 0.3309**, and the grayscale version is **21.5143, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.2093, 0.2394, 0.3251**, and **17.1043, 0.2222, 0.3197** is the 20% darker color. If you saturate the color by 10%, you get **36.9569, 0.2233, 0.3238**, and if you desaturate by 10%, it is **37.2180, 0.2249, 0.3243**.

Distribution



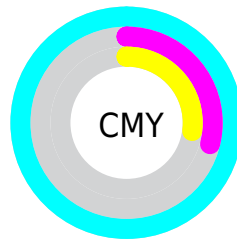
- Red (0%)
- Green (71%)
- Blue (73%)



- Red (0%)
- Yellow (36%)
- Blue (73%)



- Cyan (100%)
- Magenta (2%)
- Yellow (0%)
- Black (27%)




- Cyan (100%)
- Magenta (29%)
- Yellow (27%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 36.9587, 0.2233, 0.3238 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 36.9587, 0.2233, 0.3238 by changing the saturation by 10% instead.


 36.9587, 0.2233,
0.3238


 36.9587, 0.2233,
0.3238


333.1317, 0.2683,
0.3279

 25.1755, 0.2121,
0.3222


 70.5093, 0.2397,
0.3257


 16.2079, 0.1978,
0.3199


 93.0454, 0.2458,
0.3263


 9.6714, 0.1790,
0.3162


 119.9347, 0.2510,
0.3267

 5.1816, 0.1534,
0.3097

 151.5615, 0.2555,
0.3271

 2.3542, 0.1174,
0.2974

 188.3102, 0.2593,
0.3274

 0.8022, 0.0000,
0.2885

230.5652, 0.2627,

 0.0000, 0.0000,

0.3276

0.0000

278.7109, 0.2657,
0.3278

■ 36.9587, 0.2233,
0.3238

■ 36.9587, 0.2233,
0.3238

■ 36.9569, 0.2233,
0.3238

■ 37.2180, 0.2249,
0.3243

■ 37.6039, 0.2279,
0.3249

■ 38.1637, 0.2327,
0.3254

■ 38.9204, 0.2393,
0.3259

■ 39.8935, 0.2479,
0.3265

■ 41.1001, 0.2582,
0.3270

■ 42.5558, 0.2701,
0.3276

■ 44.2745, 0.2834,
0.3281

■ 46.2695, 0.2978,
0.3286

Harmonies

Analogous

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



36.9587, 0.2608, 0.3831



36.9587, 0.2233, 0.3238



36.9587, 0.2089, 0.2736

Triad

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



36.9587, 0.2233, 0.3238



36.9587, 0.3022, 0.2518



36.9587, 0.4130, 0.4088

Complementary

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



36.9587, 0.2233, 0.3238



10.3867, 0.6387, 0.3309

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.



36.9587, 0.4288, 0.3678



36.9587, 0.2233, 0.3238



36.9587, 0.3616, 0.2818

Square

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



36.9587, 0.2233, 0.3238



36.9587, 0.2509, 0.2382



36.9587, 0.4099, 0.3227



36.9587, 0.3704, 0.4334

Rectangle

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



36.9587, 0.2233, 0.3238



36.9587, 0.2127, 0.2517



36.9587, 0.4099, 0.3227



36.9587, 0.4218, 0.3963

Sweetspot

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



36.9601, 0.2233, 0.3238



76.0322, 0.2693, 0.3275



34.7042, 0.3000, 0.5999



16.1465, 0.2642, 0.3273



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.



36.9601, 0.2233, 0.3238



66.1453, 0.2233, 0.3237



11.2681, 0.1773, 0.1580



10.1848, 0.2985, 0.3286



25.1723, 0.2233, 0.3239



0.8954, 0.2237, 0.3252

Inverse Universe

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



13.6982, 0.3250, 0.1565



24.5169, 0.3251, 0.1565



18.0794, 0.5404, 0.4089



9.1602, 0.3140, 0.3068



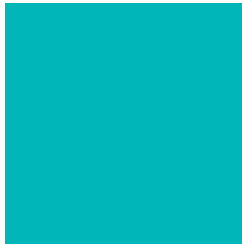
9.3235, 0.3250, 0.1564



0.3295, 0.3239, 0.1558

Previews

White Background



This preview shows how the Yxy color 36.9587, 0.2233, 0.3238 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 36.9587, 0.2233, 0.3238 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

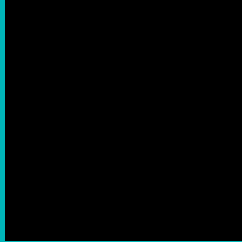
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

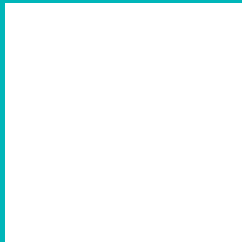
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 36.9587, 0.2233, 0.3238

Background



This preview shows how black text looks on a background with the Yxy color 36.9587, 0.2233, 0.3238.

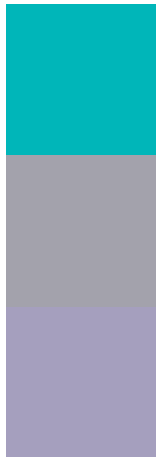


This preview shows how white text looks on a background with the Yxy color 36.9587, 0.2233, 0.3238.

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

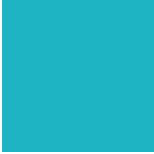
36.9587, 0.2233, 0.3238

Protanopia

36.6057, 0.3050, 0.3147

Deuteranopia

36.5133, 0.2918, 0.2863



Tritanopia

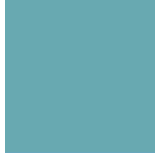
36.8587, 0.2209, 0.3049

Trichromacy



Original Color

36.9587, 0.2233, 0.3238



Protanomaly

34.4933, 0.2551, 0.3161



Deuteranomaly

34.2715, 0.2483, 0.2963



Tritanomaly

36.9478, 0.2217, 0.3126

Monochromacy



Original Color

36.9587, 0.2233, 0.3238



Achromatopsia

21.5861, 0.3127, 0.3290



Achromatomaly

25.1436, 0.2535, 0.3270

CSS Examples

Text

The CSS property to change the color of the text to Yxy 36.9587, 0.2233, 0.3238 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, 185)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 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(0, 182, 185) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 185) }
```

Border

The CSS property to change the border of an element to Yxy 36.9587, 0.2233, 0.3238 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, 185) }
```

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

```
.border{ border-color:rgb(0, 182, 185) }
```

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, 185)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 185); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 185);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
185) }
```


Background

The CSS property to change the background color of an element to Yxy 36.9587, 0.2233, 0.3238 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, 185) }
```

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

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