

Converting Colors

$Yxy(36.2025, 0.2092, 0.3008)$

Have a look what the booklet for
Yxy(36.2025, 0.2092, 0.3008)
contains.

Yxy(37.1250, 0.2172, 0.3018)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	24
<i>Color Blindness Simulation</i>	27
<i>CSS Examples</i>	30

Color

Yxy(37.1250, 0.2172, 0.3018)

Conversions

Conversions Part 1

Format	Color
Hex	00B5C6
RGB	0, 181, 198
RGB Percent	0%, 71%, 78%
CMY	0.9983, 0.2902, 0.2236
CMYK	1.00, 0.09, 0.00, 0.22
HSL	185°, 100%, 39%
HSV	185°, 100%, 78%
XYZ	26.7182, 37.1250, 59.1687
YIQ	128.8190, -113.3330, -33.0850

Conversions

Conversions Part 2

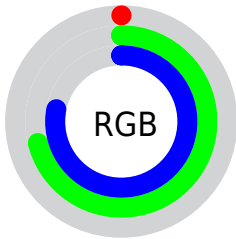
Format	Color
RYB	0, 95, 198
Decimal	46534
CIELab	67.37, -31.82, -19.47
CIELCh	67, 37.302, 211.455
Yxy	37.1250, 0.2172, 0.3018
Android (android.graphics.Color)	4278236614 (0xFF00B5C6)
YUV	128.8190, 34.1062, -112.9743
Hunter-Lab	60.9303, -28.3550, -14.9247

Details

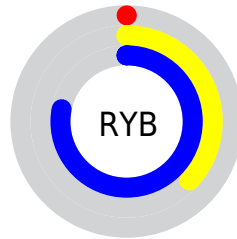
The Yxy color **37.1250, 0.2172, 0.3018** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as dark washed azure. A complement of this color would be **12.4170, 0.6335, 0.3349**, and the grayscale version is **21.8402, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6132, 0.2341, 0.3072**, and **17.4520, 0.2151, 0.2944** is the 20% darker color. If you saturate the color by 10%, you get **37.1088, 0.2172, 0.3017**, and if you desaturate by 10%, it is **37.9708, 0.2195, 0.3047**.

Distribution



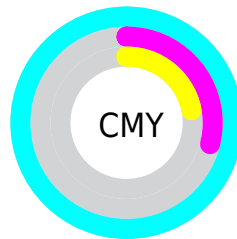
- Red (0%)
- Green (71%)
- Blue (78%)



- Red (0%)
- Yellow (37%)
- Blue (78%)



- Cyan (100%)
- Magenta (9%)
- Yellow (0%)
- Black (22%)





- Cyan (100%)
- Magenta (29%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.1250, 0.2172, 0.3018 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 37.1250, 0.2172, 0.3018 by changing the saturation by 10% instead.


 37.1250, 0.2172,
0.3018


 37.1250, 0.2172,
0.3018


333.8514, 0.2648,
0.3175


 25.3043, 0.2055,
0.2972


 70.7650, 0.2344,
0.3080

 16.3039, 0.1908,
0.2910


 93.3531, 0.2409,
0.3102


 9.7395, 0.1716,
0.2821


 120.2990, 0.2464,
0.3119

 5.2266, 0.1459,
0.2686

 151.9873, 0.2511,
0.3134

 2.3808, 0.1106,
0.2464

 188.8023, 0.2552,
0.3147

 0.8160, 0.0000,
0.2193

231.1284, 0.2588,

 0.0000, 0.0000,

0.3157

0.0000

279.3499, 0.2620,
0.3167

■ 37.1250, 0.2172,
0.3018

■ 37.1250, 0.2172,
0.3018

■ 37.1088, 0.2172,
0.3017

■ 37.9708, 0.2195,
0.3047

■ 38.9759, 0.2233,
0.3076

■ 40.1925, 0.2289,
0.3105

■ 41.6480, 0.2364,
0.3135

■ 43.3654, 0.2458,
0.3164

■ 45.3651, 0.2569,
0.3192

■ 47.6654, 0.2694,
0.3219

■ 50.2829, 0.2831,
0.3245

■ 53.2332, 0.2978,
0.3269

Harmonies

Analogous

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



37.1250, 0.2448, 0.3578



37.1250, 0.2172, 0.3018



37.1250, 0.2129, 0.2610

Triad

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



37.1250, 0.2172, 0.3018



37.1250, 0.3266, 0.2645



37.1250, 0.3953, 0.4192

Complementary

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



37.1250, 0.2172, 0.3018



12.4170, 0.6335, 0.3349

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.



37.1250, 0.4227, 0.3846



37.1250, 0.2172, 0.3018



37.1250, 0.3820, 0.2989

Square

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



37.1250, 0.2172, 0.3018



37.1250, 0.2718, 0.2441



37.1250, 0.4185, 0.3413



37.1250, 0.3469, 0.4314

Rectangle

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



37.1250, 0.2172, 0.3018



37.1250, 0.2230, 0.2458



37.1250, 0.4185, 0.3413



37.1250, 0.4074, 0.4094

Sweetspot

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



37.1263, 0.2172, 0.3018



84.1412, 0.2685, 0.3217



40.4202, 0.2986, 0.5947



17.6255, 0.2630, 0.3206



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

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



37.1263, 0.2172, 0.3018



65.5465, 0.2170, 0.3013



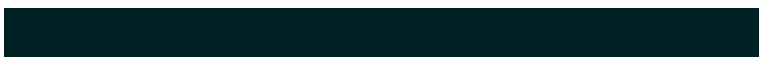
10.2253, 0.1697, 0.1308



11.9056, 0.2984, 0.3269



24.2018, 0.2173, 0.3021



1.1929, 0.2189, 0.3082

Inverse Universe

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



15.3479, 0.3438, 0.1668



27.1481, 0.3443, 0.1670



24.4167, 0.5167, 0.4278



10.8003, 0.3151, 0.3082



9.9832, 0.3435, 0.1666



0.4774, 0.3383, 0.1637

Previews

White Background



This preview shows how the Yxy color 37.1250, 0.2172, 0.3018 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 37.1250, 0.2172, 0.3018 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

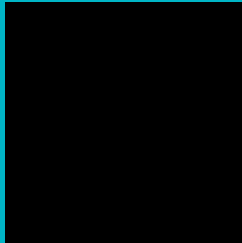
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

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

Yxy 37.1250, 0.2172, 0.3018

Background



This preview shows how black text looks on a background with the Yxy color 37.1250, 0.2172, 0.3018.



This preview shows how white text looks on a background with the Yxy color 37.1250, 0.2172, 0.3018.

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

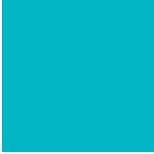
37.1250, 0.2172, 0.3018

Protanopia

36.7144, 0.2906, 0.2966

Deuteranopia

36.7225, 0.2758, 0.2704



Tritanopia

37.0333, 0.2180, 0.3048

Trichromacy



Original Color

37.1250, 0.2172, 0.3018



Protanomaly

34.8603, 0.2452, 0.2963



Deuteranomaly

34.9890, 0.2387, 0.2792



Tritanomaly

37.0790, 0.2176, 0.3033

Monochromacy



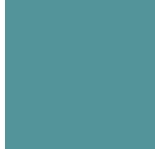
Original Color

37.1250, 0.2172, 0.3018



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

25.3067, 0.2500, 0.3179

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.1250, 0.2172, 0.3018 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, 181, 198)` looks like.

```
.text, #text, p{  
    color:rgb(0, 181, 198)  
}
```

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, 181, 198) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 181, 198) }
```

Border

The CSS property to change the border of an element to Yxy 37.1250, 0.2172, 0.3018 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, 181, 198) }
```

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

```
.border{ border-color:rgb(0, 181, 198) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 181, 198)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 181, 198); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 181, 198);  
box-shadow:4px 4px 4px 4px rgb(0, 181,  
198) }
```


Background

The CSS property to change the background color of an element to Yxy 37.1250, 0.2172, 0.3018 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 181, 198) }
```

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

```
.background{ background-color: rgb(0, 181,  
198) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor