

Converting Colors

$Y_{xy}(37.1012, 0.2204, 0.3133)$

Have a look what the booklet for
Yxy(37.1012, 0.2204, 0.3133)
contains.

Yxy(37.2175, 0.2206, 0.3142)	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(37.2175, 0.2206, 0.3142)

Conversions

Conversions Part 1

Format	Color
Hex	00B6BF
RGB	0, 182, 191
RGB Percent	0%, 71%, 75%
CMY	1.0000, 0.2863, 0.2509
CMYK	1.00, 0.05, 0.00, 0.25
HSL	183°, 100%, 37%
HSV	183°, 100%, 75%
XYZ	26.1304, 37.2175, 55.1037
YIQ	128.6080, -111.3610, -35.7850

Conversions

Conversions Part 2

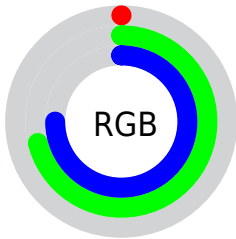
Format	Color
RYB	0, 93, 191
Decimal	46783
CIELab	67.44, -34.54, -15.52
CIELCh	67, 37.864, 204.196
Yxy	37.2175, 0.2206, 0.3142
Android (android.graphics.Color)	4278236863 (0xFF00B6BF)
YUV	128.6080, 30.7593, -112.7892
Hunter-Lab	61.0061, -30.3048, -10.8493

Details

The Yxy color **37.2175, 0.2206, 0.3142** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **11.2736, 0.6368, 0.3326**, and the grayscale version is **21.7303, 0.3127, 0.3290**.

A 20% lighter version of the original color is **70.6312, 0.2373, 0.3179**, and **17.2733, 0.2186, 0.3068** is the 20% darker color. If you saturate the color by 10%, you get **37.2204, 0.2206, 0.3142**, and if you desaturate by 10%, it is **37.7300, 0.2225, 0.3157**.

Distribution



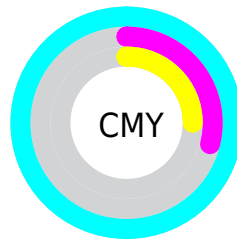
- Red (0%)
- Green (71%)
- Blue (75%)



- Red (0%)
- Yellow (36%)
- Blue (75%)



- Cyan (100%)
- Magenta (5%)
- Yellow (0%)
- Black (25%)





- Cyan (100%)
- Magenta (29%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.2175, 0.2206, 0.3142 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 37.2175, 0.2206, 0.3142 by changing the saturation by 10% instead.

 37.2175, 0.2206,
0.3142


 37.2175, 0.2206,
0.3142


334.2512, 0.2667,
0.3234


 25.3759, 0.2092,
0.3113


 70.9072, 0.2373,
0.3180

 16.3574, 0.1947,
0.3072


 93.5241, 0.2436,
0.3193

 9.7774, 0.1758,
0.3011


 120.5015, 0.2489,
0.3203

 5.2516, 0.1503,
0.2914

 152.2240, 0.2535,
0.3212

 2.3956, 0.1147,
0.2744

 189.0758, 0.2575,
0.3219

 0.8236, 0.0000,
0.2570

231.4413, 0.2609,

 0.0000, 0.0000,

0.3225

0.0000

279.7050, 0.2640,
0.3230

■ 37.2175, 0.2206,
0.3142

■ 37.2175, 0.2206,
0.3142

■ 37.2204, 0.2206,
0.3142

■ 37.7300, 0.2225,
0.3157

■ 38.3790, 0.2258,
0.3173

■ 39.2169, 0.2309,
0.3189

■ 40.2685, 0.2379,
0.3205

■ 41.5552, 0.2468,
0.3220

■ 43.0955, 0.2574,
0.3236

■ 44.9061, 0.2696,
0.3251

■ 47.0025, 0.2830,
0.3265

■ 49.3986, 0.2975,
0.3278

Harmonies

Analogous

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



37.2175, 0.2539, 0.3723



37.2175, 0.2206, 0.3142



37.2175, 0.2105, 0.2680

Triad

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



37.2175, 0.2206, 0.3142



37.2175, 0.3125, 0.2572



37.2175, 0.4056, 0.4134

Complementary

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



37.2175, 0.2206, 0.3142



11.2736, 0.6368, 0.3326

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.



37.2175, 0.4264, 0.3750



37.2175, 0.2206, 0.3142



37.2175, 0.3704, 0.2891

Square

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



37.2175, 0.2206, 0.3142



37.2175, 0.2596, 0.2407



37.2175, 0.4138, 0.3306



37.2175, 0.3604, 0.4328

Rectangle

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



37.2175, 0.2206, 0.3142



37.2175, 0.2170, 0.2491



37.2175, 0.4138, 0.3306



37.2175, 0.4158, 0.4019

Sweetspot

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



37.2204, 0.2206, 0.3142



80.2494, 0.2690, 0.3250



37.2814, 0.2994, 0.5980



17.3069, 0.2636, 0.3244



97.7402, 0.3127, 0.3290



20.4902, 0.3127, 0.3290

Same Dimension

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



37.2204, 0.2206, 0.3142



66.5471, 0.2206, 0.3140



10.9302, 0.1740, 0.1464



10.7303, 0.2985, 0.3279



24.4910, 0.2207, 0.3144



0.9833, 0.2217, 0.3181

Inverse Universe

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



14.4557, 0.3331, 0.1609



25.8757, 0.3333, 0.1610



20.5560, 0.5313, 0.4164



9.6883, 0.3145, 0.3074



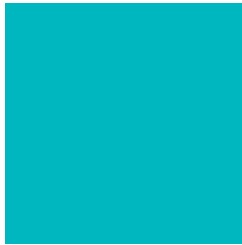
9.5021, 0.3329, 0.1608



0.3746, 0.3298, 0.1590

Previews

White Background



This preview shows how the Yxy color 37.2175, 0.2206, 0.3142 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 37.2175, 0.2206, 0.3142 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

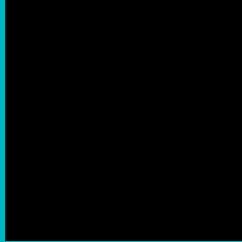
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

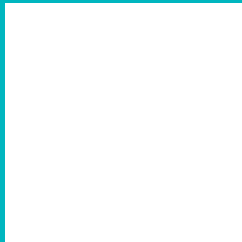
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.2175, 0.2206, 0.3142

Background



This preview shows how black text looks on a background with the Yxy color 37.2175, 0.2206, 0.3142.



This preview shows how white text looks on a background with the Yxy color 37.2175, 0.2206, 0.3142.

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

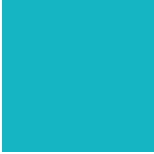
37.2175, 0.2206, 0.3142

Protanopia

36.7364, 0.2990, 0.3064

Deuteranopia

36.5683, 0.2853, 0.2784



Tritanopia

37.2038, 0.2198, 0.3049

Trichromacy



Original Color

37.2175, 0.2206, 0.3142



Protanomaly

34.6784, 0.2507, 0.3069



Deuteranomaly

34.4755, 0.2441, 0.2876



Tritanomaly

37.0362, 0.2199, 0.3079

Monochromacy



Original Color

37.2175, 0.2206, 0.3142



Achromatopsia

21.9526, 0.3127, 0.3290



Achromatomaly

25.2406, 0.2514, 0.3215

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.2175, 0.2206, 0.3142 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, 191)` looks like.

```
.text, #text, p{  
    color:rgb(0, 182, 191)  
}
```

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, 191) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 182, 191) }
```

Border

The CSS property to change the border of an element to Yxy 37.2175, 0.2206, 0.3142 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, 191) }
```

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

```
.border{ border-color:rgb(0, 182, 191) }
```

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, 191)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 182, 191); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 182, 191);  
box-shadow:4px 4px 4px 4px rgb(0, 182,  
191) }
```


Background

The CSS property to change the background color of an element to Yxy 37.2175, 0.2206, 0.3142 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, 191) }
```

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

```
.background{ background-color: rgb(0, 182,  
191) }
```

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