

Converting Colors

$Yxy(37.4464, 0.2367, 0.3379)$

Have a look what the booklet for
Yxy(37.4464, 0.2367, 0.3379)
contains.

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Color

Yxy(37.4312, 0.2370, 0.3386)

Conversions

Conversions Part 1

Format	Color
Hex	38B6B0
RGB	56, 182, 176
RGB Percent	22%, 71%, 69%
CMY	0.7799, 0.2863, 0.3098
CMYK	0.69, 0.00, 0.03, 0.29
HSL	177°, 53%, 47%
HSV	177°, 69%, 71%
XYZ	26.1996, 37.4312, 46.9161
YIQ	143.6420, -73.1700, -28.5780

Conversions

Conversions Part 2

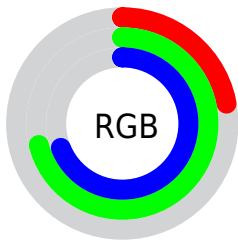
Format	Color
RYB	56, 121, 182
Decimal	3716784
CIELab	67.60, -34.94, -6.92
CIELCh	68, 35.618, 191.209
Yxy	37.4312, 0.2370, 0.3386
Android (android.graphics.Color)	4281906864 (0xFF38B6B0)
YUV	143.6420, 15.9525, -76.8620
Hunter-Lab	61.1810, -30.6276, -2.6393

Details

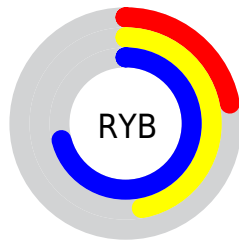
The Yxy color **37.4312, 0.2370, 0.3386** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **13.1336, 0.5304, 0.3228**, and the grayscale version is **27.7088, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.0402, 0.2509, 0.3362**, and **16.8936, 0.2272, 0.3380** is the 20% darker color. If you saturate the color by 10%, you get **36.9647, 0.2326, 0.3402**, and if you desaturate by 10%, it is **38.0914, 0.2433, 0.3370**.

Distribution



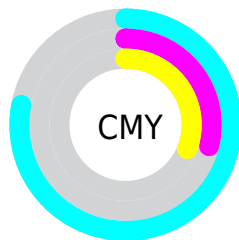
- Red (22%)
- Green (71%)
- Blue (69%)



- Red (22%)
- Yellow (47%)
- Blue (71%)



- Cyan (69%)
- Magenta (0%)
- Yellow (3%)
- Black (29%)



- Cyan (78%)
- Magenta (29%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 37.4312, 0.2370, 0.3386 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 37.4312, 0.2370, 0.3386 by changing the saturation by 10% instead.


 37.4312, 0.2370,
0.3386


 37.4312, 0.2370,
0.3386


335.1736, 0.2754,
0.3345


 25.5415, 0.2273,
0.3394


 71.2355, 0.2511,
0.3373


 16.4810, 0.2148,
0.3402


 93.9189, 0.2563,
0.3367


 9.8651, 0.1981,
0.3409


 120.9690, 0.2608,
0.3363

 5.3096, 0.1750,
0.3412

 152.7701, 0.2645,
0.3358

 2.4301, 0.1411,
0.3398

 189.7068, 0.2678,
0.3354

 0.8413, 0.0000,
0.3641

232.1633, 0.2707,

 0.0000, 0.0000,

0.3351

0.0000

280.5241, 0.2732,
0.3348

■ 37.4312, 0.2370,
0.3386

■ 37.4312, 0.2370,
0.3386

■ 36.9647, 0.2326,
0.3402

■ 38.0914, 0.2433,
0.3370

■ 36.6660, 0.2300,
0.3417

■ 38.9596, 0.2515,
0.3355

■ 36.4962, 0.2288,
0.3433

■ 40.0537, 0.2614,
0.3340

■ 36.4836, 0.2287,
0.3434

■ 41.3882, 0.2728,
0.3326

■ 42.9767, 0.2856,
0.3313

■ 44.8317, 0.2994,
0.3300

■ 46.9649, 0.3140,
0.3289

■ 49.3871, 0.3290,
0.3279

■ 52.1088, 0.3442,
0.3270

Harmonies

Analogous

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



37.4312, 0.2768, 0.3911



37.4312, 0.2370, 0.3386



37.4312, 0.2175, 0.2885

Triad

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



37.4312, 0.2370, 0.3386



37.4312, 0.2897, 0.2522



37.4312, 0.4121, 0.3947

Complementary

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



37.4312, 0.2370, 0.3386



13.1336, 0.5304, 0.3228

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.



37.4312, 0.4183, 0.3549



37.4312, 0.2370, 0.3386



37.4312, 0.3440, 0.2768

Square

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



37.4312, 0.2370, 0.3386



37.4312, 0.2458, 0.2442



37.4312, 0.3928, 0.3131



37.4312, 0.3783, 0.4219

Rectangle

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



37.4312, 0.2370, 0.3386



37.4312, 0.2171, 0.2644



37.4312, 0.3928, 0.3131



37.4312, 0.4177, 0.3822

Sweetspot

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



37.4326, 0.2370, 0.3386



77.2493, 0.2827, 0.3316



34.7782, 0.3055, 0.5462



16.8830, 0.2792, 0.3319



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.



37.4326, 0.2370, 0.3386



66.7014, 0.2310, 0.3410



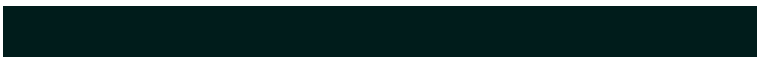
18.9778, 0.2093, 0.2275



10.2031, 0.2992, 0.3301



25.7687, 0.2287, 0.3432



0.9107, 0.2276, 0.3392

Inverse Universe

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



13.1336, 0.5304, 0.3228



19.7970, 0.5953, 0.3245



21.9888, 0.4749, 0.4034



9.0190, 0.3280, 0.3279



7.0394, 0.6339, 0.3266



0.2505, 0.6101, 0.3135

Previews

White Background



This preview shows how the Yxy color 37.4312, 0.2370, 0.3386 looks on a white background.

Color Contrast Check

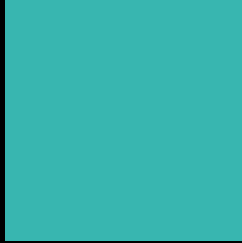
Large Text (above 18pt) WCAG AA × Fail

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 37.4312, 0.2370, 0.3386 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

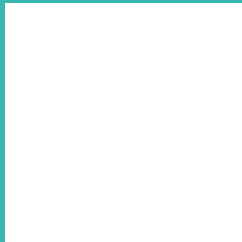
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.4312, 0.2370, 0.3386

Background



This preview shows how black text looks on a background with the Yxy color 37.4312, 0.2370, 0.3386.

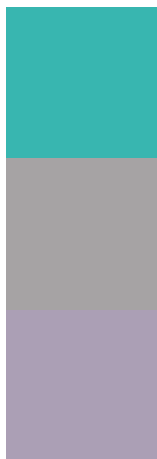


This preview shows how white text looks on a background with the Yxy color 37.4312, 0.2370, 0.3386.

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

37.4312, 0.2370, 0.3386

Protanopia

36.9817, 0.3147, 0.3276

Deuteranopia

36.7904, 0.3047, 0.2987



Tritanopia

37.2935, 0.2301, 0.3053

Trichromacy



Original Color

37.4312, 0.2370, 0.3386



Protanomaly

36.0122, 0.2770, 0.3320



Deuteranomaly

35.5592, 0.2709, 0.3107



Tritanomaly

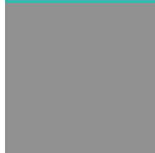
37.2545, 0.2325, 0.3176

Monochromacy



Original Color

37.4312, 0.2370, 0.3386



Achromatopsia

27.8894, 0.3127, 0.3290



Achromatomaly

30.2988, 0.2731, 0.3322

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.4312, 0.2370, 0.3386 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(56, 182, 176)` looks like.

```
.text, #text, p{  
    color:rgb(56, 182, 176)  
}
```

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(56, 182, 176) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 182, 176) }
```

Border

The CSS property to change the border of an element to Yxy 37.4312, 0.2370, 0.3386 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(56, 182, 176) }
```

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

```
.border{ border-color:rgb(56, 182, 176) }
```

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

Here you see how a box with a 4 pixel `rgb(56, 182, 176)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 182, 176); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 182, 176);  
box-shadow:4px 4px 4px 4px rgb(56, 182,  
176) }
```


Background

The CSS property to change the background color of an element to Yxy 37.4312, 0.2370, 0.3386 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 182, 176) }
```

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

```
.background{ background-color: rgb(56, 182,  
176) }
```

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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