

Converting Colors

$Y_{xy}(37.3742, 0.2331, 0.3420)$

Have a look what the booklet for
Yxy(37.3742, 0.2331, 0.3420)
contains.

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Color

Yxy(37.3742, 0.2331, 0.3420)

Conversions

Conversions Part 1

Format	Color
Hex	26B7AF
RGB	38, 183, 175
RGB Percent	15%, 72%, 69%
CMY	0.8506, 0.2824, 0.3137
CMYK	0.79, 0.00, 0.04, 0.28
HSL	177°, 66%, 43%
HSV	177°, 79%, 72%
XYZ	25.4735, 37.3742, 46.4336
YIQ	138.7330, -83.8520, -33.2280

Conversions

Conversions Part 2

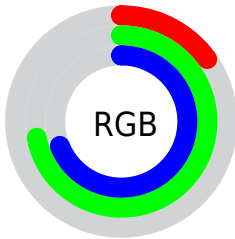
Format	Color
R _Y B	38, 113, 183
Decimal	2537391
CIE Lab	67.56, -37.79, -6.48
CIE LCh	68, 38.341, 189.726
Yxy	37.3742, 0.2331, 0.3420
Android (android.graphics.Color)	4280727471 (0xFF26B7AF)
YUV	138.7330, 17.8796, -88.3428
Hunter-Lab	61.1344, -32.6080, -2.2386

Details

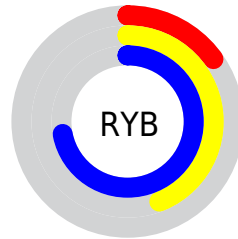
The Yxy color **37.3742, 0.2331, 0.3420** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **11.6566, 0.5735, 0.3227**, and the grayscale version is **25.6752, 0.3127, 0.3290**.

A 20% lighter version of the original color is **71.3483, 0.2481, 0.3412**, and **17.1306, 0.2285, 0.3426** is the 20% darker color. If you saturate the color by 10%, you get **37.0689, 0.2306, 0.3438**, and if you desaturate by 10%, it is **37.8536, 0.2375, 0.3402**.

Distribution



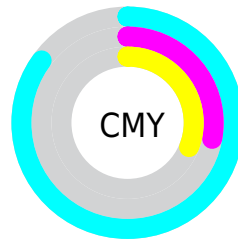
- Red (15%)
- Green (72%)
- Blue (69%)



- Red (15%)
- Yellow (44%)
- Blue (72%)



- Cyan (79%)
- Magenta (0%)
- Yellow (4%)
- Black (28%)



- Cyan (85%)
- Magenta (28%)
- Yellow (31%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 37.3742, 0.2331, 0.3420 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 37.3742, 0.2331, 0.3420 by changing the saturation by 10% instead.


 37.3742, 0.2331,
0.3420


 37.3742, 0.2331,
0.3420


334.9278, 0.2735,
0.3362

 25.4974, 0.2229,
0.3432


 71.1479, 0.2479,
0.3401

 16.4480, 0.2098,
0.3445


 93.8136, 0.2534,
0.3393


 9.8417, 0.1923,
0.3460


 120.8443, 0.2581,
0.3386

 5.2941, 0.1682,
0.3472

 152.6245, 0.2621,
0.3380

 2.4209, 0.1330,
0.3472

 189.5386, 0.2655,
0.3375

 0.8366, 0.0000,
0.3705

231.9709, 0.2685,

 0.0000, 0.0000,

0.3370

0.0000

280.3058, 0.2712,
0.3366

■ 37.3742, 0.2331,
0.3420

■ 37.3742, 0.2331,
0.3420

■ 37.0689, 0.2306,
0.3438

■ 37.8536, 0.2375,
0.3402

■ 36.8928, 0.2295,
0.3456

■ 38.5250, 0.2437,
0.3384

■ 36.8800, 0.2294,
0.3458

■ 39.4086, 0.2518,
0.3366

■ 40.5209, 0.2617,
0.3349

■ 41.8769, 0.2731,
0.3332

■ 43.4903, 0.2858,
0.3317

■ 45.3737, 0.2995,
0.3302

■ 47.5389, 0.3139,
0.3289

■ 49.9970, 0.3288,
0.3277

Harmonies

Analogous

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



37.3742, 0.2764, 0.3988



37.3742, 0.2331, 0.3420



37.3742, 0.2114, 0.2874

Triad

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



37.3742, 0.2331, 0.3420



37.3742, 0.2851, 0.2462



37.3742, 0.4205, 0.3969

Complementary

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



37.3742, 0.2331, 0.3420



11.6566, 0.5735, 0.3227

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.



37.3742, 0.4259, 0.3539



37.3742, 0.2331, 0.3420



37.3742, 0.3433, 0.2715

Square

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



37.3742, 0.2331, 0.3420



37.3742, 0.2391, 0.2385



37.3742, 0.3969, 0.3095



37.3742, 0.3851, 0.4279

Rectangle

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



37.3742, 0.2331, 0.3420



37.3742, 0.2103, 0.2610



37.3742, 0.3969, 0.3095



37.3742, 0.4261, 0.3833

Sweetspot

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



37.3756, 0.2331, 0.3420



76.3279, 0.2790, 0.3324



34.6291, 0.3048, 0.5708



16.6390, 0.2746, 0.3330



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.



37.3756, 0.2331, 0.3420



66.1540, 0.2297, 0.3451



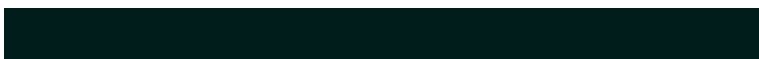
17.3143, 0.1994, 0.2146



10.2019, 0.2993, 0.3302



25.7320, 0.2293, 0.3455



0.9097, 0.2280, 0.3409

Inverse Universe

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



11.6566, 0.5735, 0.3227



18.3570, 0.6277, 0.3267



19.4919, 0.5074, 0.4034



9.0200, 0.3279, 0.3278



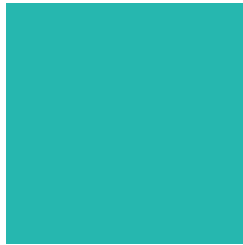
7.0419, 0.6330, 0.3261



0.2510, 0.6058, 0.3111

Previews

White Background



This preview shows how the Yxy color 37.3742, 0.2331, 0.3420 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 37.3742, 0.2331, 0.3420 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

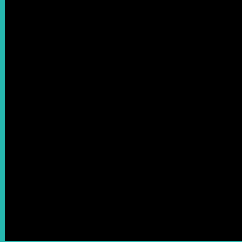
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

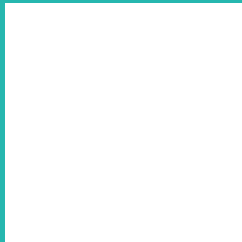
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 37.3742, 0.2331, 0.3420

Background



This preview shows how black text looks on a background with the Yxy color 37.3742, 0.2331, 0.3420.

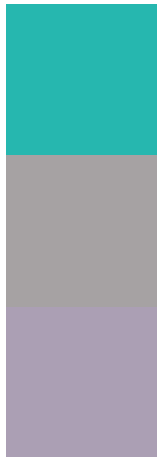


This preview shows how white text looks on a background with the Yxy color 37.3742, 0.2331, 0.3420.

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

37.3742, 0.2331, 0.3420

Protanopia

36.5920, 0.3156, 0.3276

Deuteranopia

36.7495, 0.3056, 0.3000



Tritanopia

37.3395, 0.2259, 0.3052

Trichromacy



Original Color

37.3742, 0.2331, 0.3420

Protanomaly

35.4614, 0.2724, 0.3336

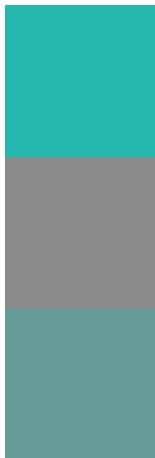
Deuteranomaly

35.4306, 0.2673, 0.3135

Tritanomaly

37.3070, 0.2283, 0.3175

Monochromacy



Original Color

37.3742, 0.2331, 0.3420

Achromatopsia

25.8183, 0.3127, 0.3290

Achromatomaly

28.5345, 0.2677, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 37.3742, 0.2331, 0.3420 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(38, 183, 175)` looks like.

```
.text, #text, p{  
    color:rgb(38, 183, 175)  
}
```

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(38, 183, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(38, 183, 175) }
```

Border

The CSS property to change the border of an element to Yxy 37.3742, 0.2331, 0.3420 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(38, 183, 175) }
```

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

```
.border{ border-color:rgb(38, 183, 175) }
```

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

Here you see how a box with a 4 pixel `rgb(38, 183, 175)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(38, 183, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(38, 183, 175);  
box-shadow:4px 4px 4px 4px rgb(38, 183,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 37.3742, 0.2331, 0.3420 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(38, 183, 175) }
```

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

```
.background{ background-color: rgb(38, 183,  
175) }
```

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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