

Converting Colors

$Y_{xy}(40.5205, 0.2371, 0.3461)$

Have a look what the booklet for
Yxy(40.5205, 0.2371, 0.3461)
contains.

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Color

Yxy(40.3537, 0.2367, 0.3448)

Conversions

Conversions Part 1

Format	Color
Hex	33BDB3
RGB	51, 189, 179
RGB Percent	20%, 74%, 70%
CMY	0.7997, 0.2588, 0.2980
CMYK	0.73, 0.00, 0.05, 0.26
HSL	176°, 57%, 47%
HSV	176°, 73%, 74%
XYZ	27.7022, 40.3537, 48.9792
YIQ	146.5980, -79.0380, -32.3660

Conversions

Conversions Part 2

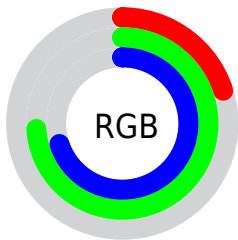
Format	Color
RYB	51, 123, 189
Decimal	3390899
CIELab	69.72, -37.98, -5.45
CIELCh	70, 38.366, 188.165
Yxy	40.3537, 0.2367, 0.3448
Android (android.graphics.Color)	4281580979 (0xFF33BDB3)
YUV	146.5980, 15.9742, -83.8394
Hunter-Lab	63.5246, -33.3265, -1.2470

Details

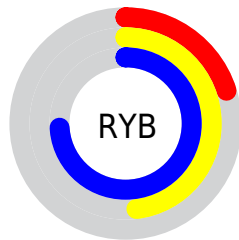
The Yxy color **40.3537, 0.2367, 0.3448** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **13.5300, 0.5432, 0.3193**, and the grayscale version is **28.9692, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.8316, 0.2506, 0.3421**, and **18.8343, 0.2303, 0.3489** is the 20% darker color. If you saturate the color by 10%, you get **39.9043, 0.2332, 0.3472**, and if you desaturate by 10%, it is **41.0063, 0.2421, 0.3424**.

Distribution



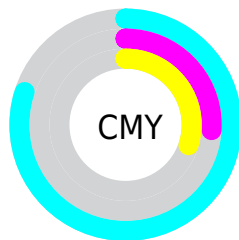
- Red (20%)
- Green (74%)
- Blue (70%)



- Red (20%)
- Yellow (48%)
- Blue (74%)



- Cyan (73%)
- Magenta (0%)
- Yellow (5%)
- Black (26%)





- Cyan (80%)
- Magenta (26%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.3537, 0.2367, 0.3448 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 40.3537, 0.2367, 0.3448 by changing the saturation by 10% instead.


 40.3537, 0.2367,
0.3448


 40.3537, 0.2367,
0.3448


347.6121, 0.2749,
0.3375

 27.8144, 0.2272,
0.3464


 75.7018, 0.2506,
0.3423


 18.1858, 0.2150,
0.3483


 99.2794, 0.2558,
0.3413

 11.0835, 0.1989,
0.3506


 127.3053, 0.2602,
0.3404

 6.1230, 0.1767,
0.3533

 160.1638, 0.2640,
0.3397

 2.9200, 0.1446,
0.3558

 198.2394, 0.2673,
0.3390

 1.0901, 0.0334,
0.3803

241.9163, 0.2701,

 0.0000, 0.0000,

0.3385

0.0000

291.5791, 0.2726,
0.3379

■ 40.3537, 0.2367,
0.3448

■ 40.3537, 0.2367,
0.3448

■ 39.9043, 0.2332,
0.3472

■ 41.0063, 0.2421,
0.3424

■ 39.6275, 0.2314,
0.3496

■ 41.8789, 0.2494,
0.3400

■ 39.5019, 0.2309,
0.3513

■ 42.9921, 0.2585,
0.3376

■ 44.3624, 0.2692,
0.3354

■ 46.0052, 0.2813,
0.3333

■ 47.9346, 0.2944,
0.3313

■ 50.1637, 0.3084,
0.3295

■ 52.7048, 0.3230,
0.3279

■ 55.5695, 0.3378,
0.3264

Harmonies

Analogous

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



40.3537, 0.2800, 0.3993



40.3537, 0.2367, 0.3448



40.3537, 0.2142, 0.2909

Triad

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



40.3537, 0.2367, 0.3448



40.3537, 0.2831, 0.2471



40.3537, 0.4191, 0.3935

Complementary

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



40.3537, 0.2367, 0.3448



13.5300, 0.5432, 0.3193

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.



40.3537, 0.4224, 0.3512



40.3537, 0.2367, 0.3448



40.3537, 0.3396, 0.2711

Square

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



40.3537, 0.2367, 0.3448



40.3537, 0.2390, 0.2406



40.3537, 0.3925, 0.3079



40.3537, 0.3859, 0.4245

Rectangle

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



40.3537, 0.2367, 0.3448



40.3537, 0.2122, 0.2644



40.3537, 0.3925, 0.3079



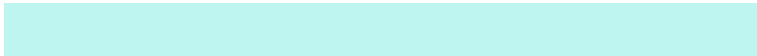
40.3537, 0.4239, 0.3801

Sweetspot

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



40.3552, 0.2367, 0.3448



82.5978, 0.2820, 0.3332



37.6768, 0.3070, 0.5556



17.5785, 0.2786, 0.3337



95.5105, 0.3127, 0.3290



19.5994, 0.3127, 0.3290

Same Dimension

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



40.3552, 0.2367, 0.3448



71.1185, 0.2319, 0.3488



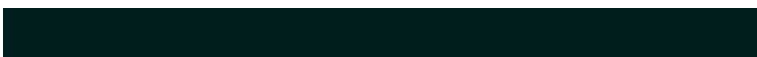
20.7546, 0.2067, 0.2289



10.7973, 0.2994, 0.3306



26.5833, 0.2308, 0.3510



1.0449, 0.2292, 0.3452

Inverse Universe

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



13.5300, 0.5432, 0.3193



20.4631, 0.6077, 0.3229



21.8978, 0.4924, 0.3993



9.5473, 0.3277, 0.3274



7.3045, 0.6309, 0.3249



0.2900, 0.5981, 0.3068

Previews

White Background



This preview shows how the Yxy color 40.3537, 0.2367, 0.3448 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 40.3537, 0.2367, 0.3448 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

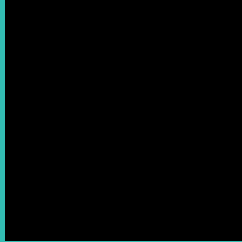
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

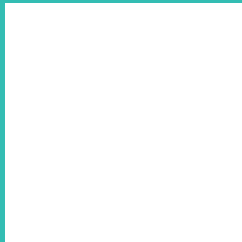
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.3537, 0.2367, 0.3448

Background



This preview shows how black text looks on a background with the Yxy color 40.3537, 0.2367, 0.3448.

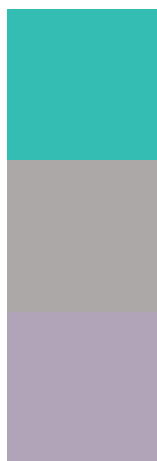


This preview shows how white text looks on a background with the Yxy color 40.3537, 0.2367, 0.3448.

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

40.3537, 0.2367, 0.3448

Protanopia

39.5659, 0.3173, 0.3304

Deuteranopia

39.4766, 0.3085, 0.3023



Tritanopia

40.4248, 0.2287, 0.3060

Trichromacy



Original Color

40.3537, 0.2367, 0.3448

Protanomaly

38.5801, 0.2772, 0.3365

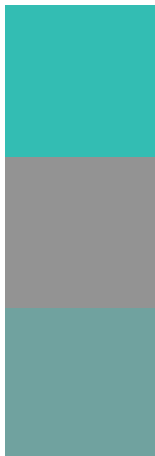
Deuteranomaly

38.1701, 0.2720, 0.3156

Tritanomaly

40.3207, 0.2313, 0.3195

Monochromacy



Original Color

40.3537, 0.2367, 0.3448

Achromatopsia

29.1771, 0.3127, 0.3290

Achromatomaly

31.7886, 0.2716, 0.3338

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.3537, 0.2367, 0.3448 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(51, 189, 179)` looks like.

```
.text, #text, p{  
    color:rgb(51, 189, 179)  
}
```

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(51, 189, 179) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(51, 189, 179) }
```

Border

The CSS property to change the border of an element to Yxy 40.3537, 0.2367, 0.3448 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(51, 189, 179) }
```

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

```
.border{ border-color:rgb(51, 189, 179) }
```

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

Here you see how a box with a 4 pixel `rgb(51, 189, 179)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(51, 189, 179); -webkit-box-  
shadow:4px 4px 4px 4px rgb(51, 189, 179);  
box-shadow:4px 4px 4px 4px rgb(51, 189,  
179) }
```


Background

The CSS property to change the background color of an element to Yxy 40.3537, 0.2367, 0.3448 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(51, 189, 179) }
```

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

```
.background{ background-color: rgb(51, 189,  
179) }
```

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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