

Converting Colors

$Yxy(41.0021, 0.2397, 0.3493)$

Have a look what the booklet for
Yxy(41.0021, 0.2397, 0.3493)
contains.

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Color

Yxy(40.8711, 0.2398, 0.3496)

Conversions

Conversions Part 1

Format	Color
Hex	39BEB1
RGB	57, 190, 177
RGB Percent	22%, 75%, 69%
CMY	0.7766, 0.2549, 0.3059
CMYK	0.70, 0.00, 0.07, 0.25
HSL	174°, 54%, 48%
HSV	174°, 70%, 75%
XYZ	28.0346, 40.8711, 48.0025
YIQ	148.7510, -75.0950, -32.2390

Conversions

Conversions Part 2

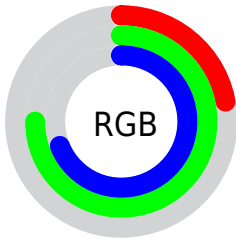
Format	Color
RYB	57, 127, 190
Decimal	3784369
CIELab	70.09, -38.23, -3.79
CIElCh	70, 38.417, 185.668
Yxy	40.8711, 0.2398, 0.3496
Android (android.graphics.Color)	4281974449 (0xFF39BEB1)
YUV	148.7510, 13.9268, -80.4656
Hunter-Lab	63.9305, -33.6032, 0.2332

Details

The Yxy color **40.8711, 0.2398, 0.3496** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **14.3135, 0.5241, 0.3152**, and the grayscale version is **29.9063, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.5423, 0.2529, 0.3456**, and **19.0890, 0.2315, 0.3534** is the 20% darker color. If you saturate the color by 10%, you get **40.3415, 0.2359, 0.3529**, and if you desaturate by 10%, it is **41.6136, 0.2456, 0.3463**.

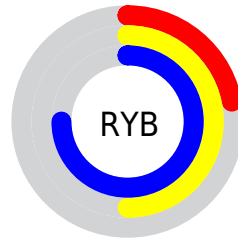
Distribution



Red (22%)

Green (75%)

Blue (69%)



Red (22%)

Yellow (50%)

Blue (75%)

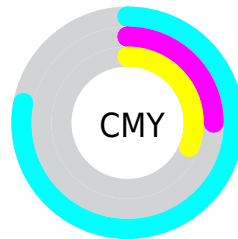


Cyan (70%)

Magenta (0%)

Yellow (7%)

Black (25%)



Cyan (78%)


Magenta (25%)


Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8711, 0.2398, 0.3496 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 40.8711, 0.2398, 0.3496 by changing the saturation by 10% instead.


 40.8711, 0.2398,
0.3496


 40.8711, 0.2398,
0.3496


349.7816, 0.2765,
0.3397

 28.2184, 0.2306,
0.3519


 76.4882, 0.2531,
0.3461

 18.4903, 0.2189,
0.3548


 100.2213, 0.2582,
0.3447


 11.3026, 0.2033,
0.3585


 128.4167, 0.2624,
0.3436

 6.2707, 0.1818,
0.3632

 161.4588, 0.2660,
0.3426

 3.0104, 0.1506,
0.3692

 199.7319, 0.2692,
0.3417

 1.1372, 0.0450,
0.3999

243.6205, 0.2719,

 0.0095, 0.0000,

0.3409

0.0332

293.5089, 0.2743,
0.3403

■ 0.0000, 0.0000,
0.0000

■ 40.8711, 0.2398,
0.3496

■ 40.8711, 0.2398,
0.3496

■ 40.3415, 0.2359,
0.3529

■ 41.6136, 0.2456,
0.3463

■ 39.9956, 0.2339,
0.3563

■ 42.5854, 0.2533,
0.3430

■ 39.7859, 0.2332,
0.3596

■ 43.8062, 0.2626,
0.3399

■ 45.2927, 0.2735,
0.3368

■ 47.0599, 0.2857,
0.3340

■ 49.1219, 0.2989,
0.3314

■ 51.4916, 0.3127,
0.3290

■ 54.1812, 0.3270,
0.3268

■ 57.2024, 0.3414,
0.3249

Harmonies

Analogous

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



40.8711, 0.2844, 0.4028



40.8711, 0.2398, 0.3496



40.8711, 0.2154, 0.2950

Triad

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



40.8711, 0.2398, 0.3496



40.8711, 0.2789, 0.2461



40.8711, 0.4203, 0.3901

Complementary

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



40.8711, 0.2398, 0.3496



14.3135, 0.5241, 0.3152

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.



40.8711, 0.4209, 0.3475



40.8711, 0.2398, 0.3496



40.8711, 0.3347, 0.2687

Square

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



40.8711, 0.2398, 0.3496



40.8711, 0.2364, 0.2412



40.8711, 0.3885, 0.3046



40.8711, 0.3893, 0.4224

Rectangle

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



40.8711, 0.2398, 0.3496



40.8711, 0.2121, 0.2674



40.8711, 0.3885, 0.3046



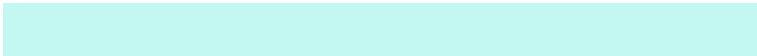
40.8711, 0.4243, 0.3765

Sweetspot

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



40.8727, 0.2398, 0.3496



84.8191, 0.2840, 0.3344



38.4370, 0.3087, 0.5469



18.4216, 0.2806, 0.3352



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.



40.8727, 0.2398, 0.3496



72.7261, 0.2346, 0.3547



22.4195, 0.2110, 0.2377



10.7930, 0.2998, 0.3312



26.4600, 0.2331, 0.3591



1.0412, 0.2309, 0.3512

Inverse Universe

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



14.3135, 0.5241, 0.3152



21.6522, 0.5886, 0.3183



22.4351, 0.4858, 0.3953



9.5511, 0.3273, 0.3268



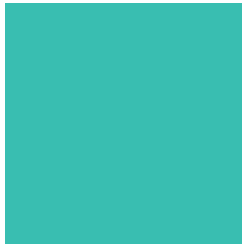
7.3151, 0.6272, 0.3229



0.2917, 0.5850, 0.2997

Previews

White Background



This preview shows how the Yxy color 40.8711, 0.2398, 0.3496 looks on a white background.

Color Contrast Check

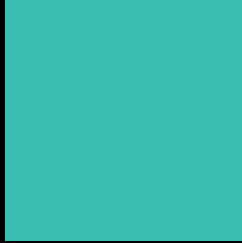
Large Text (above 18pt) WCAG AA × Fail

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 40.8711, 0.2398, 0.3496 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

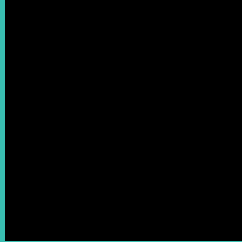
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

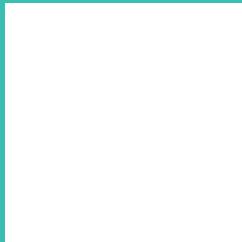
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.8711, 0.2398, 0.3496

Background



This preview shows how black text looks on a background with the Yxy color 40.8711, 0.2398, 0.3496.

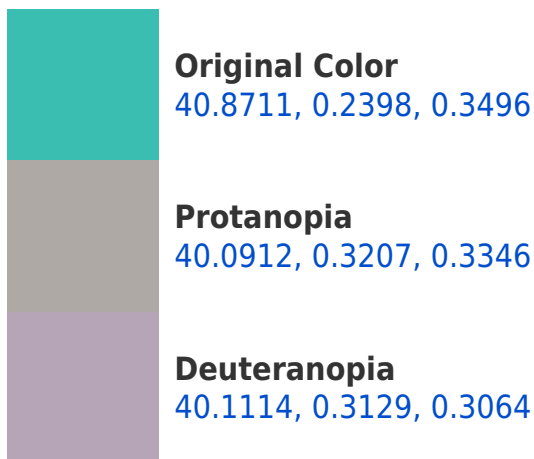


This preview shows how white text looks on a background with the Yxy color 40.8711, 0.2398, 0.3496.

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





Tritanopia

40.6842, 0.2302, 0.3047

Trichromacy



Original Color

40.8711, 0.2398, 0.3496



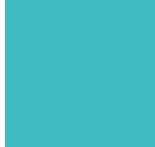
Protanomaly

39.1341, 0.2809, 0.3410



Deuteranomaly

38.8016, 0.2766, 0.3201



Tritanomaly

40.5147, 0.2332, 0.3195

Monochromacy



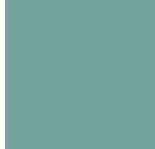
Original Color

40.8711, 0.2398, 0.3496



Achromatopsia

30.0544, 0.3127, 0.3290



Achromatomaly

32.7671, 0.2750, 0.3370

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8711, 0.2398, 0.3496 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(57, 190, 177)` looks like.

```
.text, #text, p{  
    color:rgb(57, 190, 177)  
}
```

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(57, 190, 177) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(57, 190, 177) }
```

Border

The CSS property to change the border of an element to Yxy 40.8711, 0.2398, 0.3496 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(57, 190, 177) }
```

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

```
.border{ border-color:rgb(57, 190, 177) }
```

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

Here you see how a box with a 4 pixel `rgb(57, 190, 177)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(57, 190, 177); -webkit-box-shadow:4px 4px 4px 4px rgb(57, 190, 177); box-shadow:4px 4px 4px 4px rgb(57, 190, 177) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8711, 0.2398, 0.3496 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(57, 190, 177) }
```

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

```
.background{ background-color: rgb(57, 190,  
177) }
```

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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