

Converting Colors

$Yxy(39.4643, 0.2501, 0.3596)$

Have a look what the booklet for
Yxy(39.4643, 0.2501, 0.3596)
contains.

Yxy(39.3637, 0.2500, 0.3597)	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(39.3637, 0.2500, 0.3597)

Conversions

Conversions Part 1

Format	Color
Hex	4ABAA7
RGB	74, 186, 167
RGB Percent	29%, 73%, 65%
CMY	0.7097, 0.2706, 0.3451
CMYK	0.60, 0.00, 0.10, 0.27
HSL	170°, 45%, 51%
HSV	170°, 60%, 73%
XYZ	27.3587, 39.3637, 42.7124
YIQ	150.3460, -60.6530, -29.6530

Conversions

Conversions Part 2

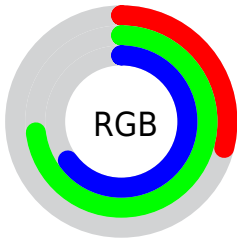
Format	Color
RYB	74, 135, 186
Decimal	4897447
CIELab	69.01, -36.31, 0.17
CIElCh	69, 36.307, 179.733
Yxy	39.3637, 0.2500, 0.3597
Android (android.graphics.Color)	4283087527 (0xFF4ABAA7)
YUV	150.3460, 8.2104, -66.9554
Hunter-Lab	62.7405, -31.9589, 3.5550

Details

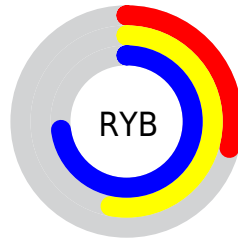
The Yxy color **39.3637, 0.2500, 0.3597** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **16.1310, 0.4658, 0.3044**, and the grayscale version is **30.6408, 0.3127, 0.3290**.

A 20% lighter version of the original color is **74.3617, 0.2617, 0.3544**, and **17.7403, 0.2357, 0.3686** is the 20% darker color. If you saturate the color by 10%, you get **38.6173, 0.2447, 0.3657**, and if you desaturate by 10%, it is **40.3342, 0.2571, 0.3539**.

Distribution



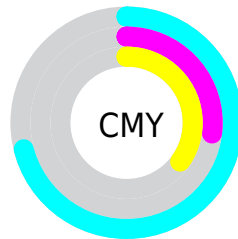
- Red (29%)
- Green (73%)
- Blue (65%)



- Red (29%)
- Yellow (53%)
- Blue (73%)



- Cyan (60%)
- Magenta (0%)
- Yellow (10%)
- Black (27%)





- Cyan (71%)
- Magenta (27%)
- Yellow (35%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 39.3637, 0.2500, 0.3597 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 39.3637, 0.2500, 0.3597 by changing the saturation by 10% instead.

 39.3637, 0.2500,
0.3597

 39.3637, 0.2500,
0.3597


343.4343, 0.2820,
0.3440


 27.0428, 0.2418,
0.3637


 74.1936, 0.2618,
0.3539

 17.6054, 0.2312,
0.3689

 97.4714, 0.2662,
0.3518

 10.6670, 0.2170,
0.3759


 125.1702, 0.2698,
0.3500

 5.8434, 0.1969,
0.3858

 157.6745, 0.2730,
0.3484

 2.7501, 0.1668,
0.4006

 195.3687, 0.2757,
0.3471

 1.0027, 0.0290,
0.4677

238.6371, 0.2781,

 0.0000, 0.0000,

0.3460

0.0000

287.8642, 0.2802,
0.3449

■ 39.3637, 0.2500,
0.3597

■ 39.3637, 0.2500,
0.3597

■ 38.6173, 0.2447,
0.3657

■ 40.3342, 0.2571,
0.3539

■ 38.0706, 0.2414,
0.3718

■ 41.5418, 0.2659,
0.3482

■ 37.7016, 0.2399,
0.3778

■ 43.0036, 0.2760,
0.3429

■ 37.4661, 0.2399,
0.3837

■ 44.7341, 0.2874,
0.3379

■ 46.7466, 0.2996,
0.3333

■ 49.0533, 0.3125,
0.3291

■ 51.6661, 0.3256,
0.3253

■ 54.5958, 0.3389,
0.3219

■ 57.8530, 0.3521,
0.3189

Harmonies

Analogous

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



39.3637, 0.2958, 0.4071



39.3637, 0.2500, 0.3597



39.3637, 0.2221, 0.3061

Triad

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



39.3637, 0.2500, 0.3597



39.3637, 0.2709, 0.2469



39.3637, 0.4185, 0.3804

Complementary

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



39.3637, 0.2500, 0.3597



16.1310, 0.4658, 0.3044

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.



39.3637, 0.4124, 0.3387



39.3637, 0.2500, 0.3597



39.3637, 0.3229, 0.2656

Square

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



39.3637, 0.2500, 0.3597



39.3637, 0.2336, 0.2461



39.3637, 0.3762, 0.2981



39.3637, 0.3941, 0.4140

Rectangle

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



39.3637, 0.2500, 0.3597



39.3637, 0.2159, 0.2770



39.3637, 0.3762, 0.2981



39.3637, 0.4201, 0.3669

Sweetspot

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



39.3652, 0.2500, 0.3597



81.7362, 0.2897, 0.3370



38.0224, 0.3168, 0.5133



17.7797, 0.2862, 0.3384



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.



39.3652, 0.2500, 0.3597



69.6621, 0.2435, 0.3675



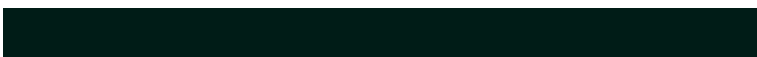
26.9882, 0.2265, 0.2695



10.1838, 0.3007, 0.3329



25.2151, 0.2397, 0.3829



0.8959, 0.2354, 0.3674

Inverse Universe

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



16.1310, 0.4658, 0.3044



23.9064, 0.5201, 0.3037



21.9748, 0.4634, 0.3770



9.0364, 0.3262, 0.3251



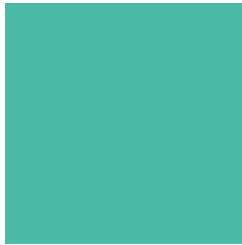
7.0995, 0.6124, 0.3147



0.2580, 0.5479, 0.2792

Previews

White Background



This preview shows how the Yxy color 39.3637, 0.2500, 0.3597 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 39.3637, 0.2500, 0.3597 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

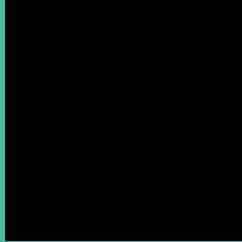
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

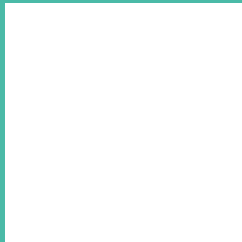
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 39.3637, 0.2500, 0.3597

Background



This preview shows how black text looks on a background with the Yxy color 39.3637, 0.2500, 0.3597.

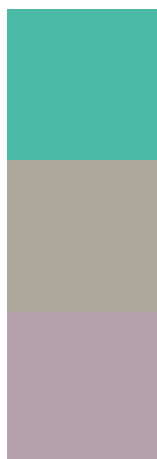


This preview shows how white text looks on a background with the Yxy color 39.3637, 0.2500, 0.3597.

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

39.3637, 0.2500, 0.3597

Protanopia

38.9220, 0.3279, 0.3445

Deuteranopia

38.6430, 0.3219, 0.3155



Tritanopia

39.4199, 0.2382, 0.3076

Trichromacy



Original Color

39.3637, 0.2500, 0.3597



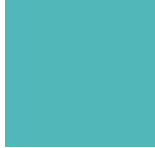
Protanomaly

38.1285, 0.2921, 0.3502



Deuteranomaly

37.7789, 0.2884, 0.3304



Tritanomaly

39.1636, 0.2426, 0.3257

Monochromacy



Original Color

39.3637, 0.2500, 0.3597



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

32.7323, 0.2820, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 39.3637, 0.2500, 0.3597 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(74, 186, 167)` looks like.

```
.text, #text, p{  
    color:rgb(74, 186, 167)  
}
```

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(74, 186, 167) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(74, 186, 167) }
```

Border

The CSS property to change the border of an element to Yxy 39.3637, 0.2500, 0.3597 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(74, 186, 167) }
```

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

```
.border{ border-color:rgb(74, 186, 167) }
```

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

Here you see how a box with a 4 pixel `rgb(74, 186, 167)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(74, 186, 167); -webkit-box-  
shadow:4px 4px 4px 4px rgb(74, 186, 167);  
box-shadow:4px 4px 4px 4px rgb(74, 186,  
167) }
```


Background

The CSS property to change the background color of an element to Yxy 39.3637, 0.2500, 0.3597 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(74, 186, 167) }
```

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

```
.background{ background-color: rgb(74, 186,  
167) }
```

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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