

Converting Colors

$Y_{xy}(40.1461, 0.2462, 0.3583)$

Have a look what the booklet for
Yxy(40.1461, 0.2462, 0.3583)
contains.

Yxy(40.0620, 0.2462, 0.3579)	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(40.0620, 0.2462, 0.3579)

Conversions

Conversions Part 1

Format	Color
Hex	43BCAA
RGB	67, 188, 170
RGB Percent	26%, 74%, 67%
CMY	0.7369, 0.2628, 0.3333
CMYK	0.64, 0.00, 0.10, 0.26
HSL	171°, 47%, 50%
HSV	171°, 64%, 74%
XYZ	27.5587, 40.0620, 44.3156
YIQ	149.7690, -66.3380, -31.2500

Conversions

Conversions Part 2

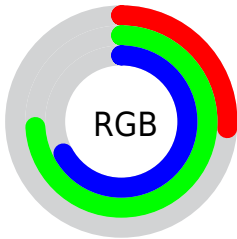
Format	Color
RYB	67, 132, 188
Decimal	4439210
CIELab	69.51, -37.66, -0.78
CIElCh	70, 37.666, 181.185
Yxy	40.0620, 0.2462, 0.3579
Android (android.graphics.Color)	4282629290 (0xFF43BCAA)
YUV	149.7690, 9.9739, -72.5884
Hunter-Lab	63.2945, -33.0458, 2.7944

Details

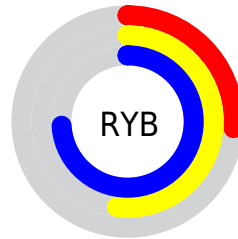
The Yxy color **40.0620, 0.2462, 0.3579** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **15.3727, 0.4873, 0.3071**, and the grayscale version is **30.3852, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.3303, 0.2585, 0.3531**, and **18.3582, 0.2349, 0.3656** is the 20% darker color. If you saturate the color by 10%, you get **39.3978, 0.2416, 0.3631**, and if you desaturate by 10%, it is **40.9472, 0.2527, 0.3528**.

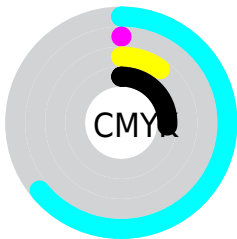
Distribution



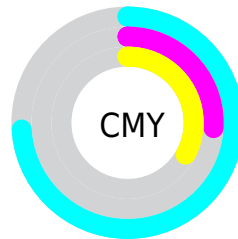
- Red (26%)
- Green (74%)
- Blue (67%)



- Red (26%)
- Yellow (52%)
- Blue (74%)



- Cyan (64%)
- Magenta (0%)
- Yellow (10%)
- Black (26%)




- Cyan (74%)
- Magenta (26%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.0620, 0.2462, 0.3579 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 40.0620, 0.2462, 0.3579 by changing the saturation by 10% instead.


 40.0620, 0.2462,
0.3579


 40.0620, 0.2462,
0.3579


346.3848, 0.2800,
0.3433

 27.5869, 0.2376,
0.3616


 75.2579, 0.2586,
0.3526


 18.0145, 0.2266,
0.3663


 98.7475, 0.2632,
0.3506

 10.9604, 0.2118,
0.3725


 126.6774, 0.2671,
0.3489

 6.0402, 0.1912,
0.3812

 159.4319, 0.2704,
0.3475

 2.8695, 0.1605,
0.3940

 197.3956, 0.2733,
0.3462

 1.0640, 0.0345,
0.4495

240.9527, 0.2758,

 0.0000, 0.0000,

0.3451

0.0000

290.4876, 0.2780,
0.3442

■ 40.0620, 0.2462,
0.3579

■ 40.0620, 0.2462,
0.3579

■ 39.3978, 0.2416,
0.3631

■ 40.9472, 0.2527,
0.3528

■ 38.9283, 0.2389,
0.3684

■ 42.0677, 0.2610,
0.3478

■ 38.6287, 0.2380,
0.3736

■ 43.4419, 0.2708,
0.3430

■ 38.5036, 0.2379,
0.3765

■ 45.0849, 0.2819,
0.3385

■ 47.0109, 0.2941,
0.3344

■ 49.2329, 0.3070,
0.3305

■ 51.7632, 0.3204,
0.3271

■ 54.6133, 0.3340,
0.3240

■ 57.7942, 0.3476,
0.3212

Harmonies

Analogous

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



40.0620, 0.2926, 0.4079



40.0620, 0.2462, 0.3579



40.0620, 0.2187, 0.3028

Triad

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



40.0620, 0.2462, 0.3579



40.0620, 0.2720, 0.2451



40.0620, 0.4211, 0.3836

Complementary

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



40.0620, 0.2462, 0.3579



15.3727, 0.4873, 0.3071

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.



40.0620, 0.4166, 0.3409



40.0620, 0.2462, 0.3579



40.0620, 0.3259, 0.2651

Square

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



40.0620, 0.2462, 0.3579



40.0620, 0.2327, 0.2433



40.0620, 0.3805, 0.2990



40.0620, 0.3945, 0.4177

Rectangle

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



40.0620, 0.2462, 0.3579



40.0620, 0.2131, 0.2735



40.0620, 0.3805, 0.2990



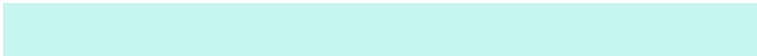
40.0620, 0.4234, 0.3698

Sweetspot

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



40.0636, 0.2462, 0.3579



83.3949, 0.2879, 0.3364



38.3125, 0.3136, 0.5277



17.7234, 0.2845, 0.3376



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.



40.0636, 0.2462, 0.3579



71.0308, 0.2403, 0.3652



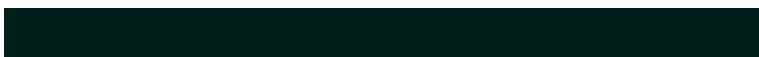
25.2858, 0.2202, 0.2574



10.7845, 0.3004, 0.3324



26.2254, 0.2378, 0.3759



1.0340, 0.2343, 0.3634

Inverse Universe

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



15.3727, 0.4873, 0.3071



22.8799, 0.5473, 0.3082



22.1213, 0.4738, 0.3844



9.5589, 0.3266, 0.3256



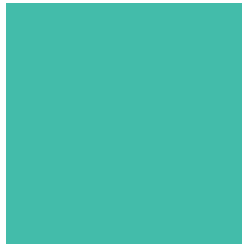
7.3432, 0.6175, 0.3175



0.2951, 0.5610, 0.2864

Previews

White Background



This preview shows how the Yxy color 40.0620, 0.2462, 0.3579 looks on a white background.

Color Contrast Check

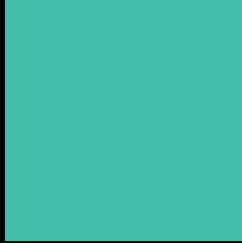
Large Text (above 18pt) WCAG AA × Fail

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 40.0620, 0.2462, 0.3579 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

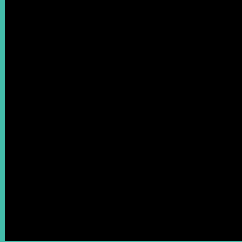
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

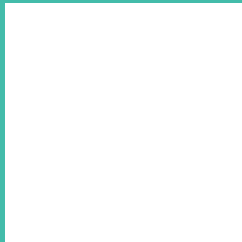
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.0620, 0.2462, 0.3579

Background



This preview shows how black text looks on a background with the Yxy color 40.0620, 0.2462, 0.3579.

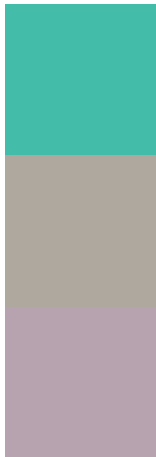


This preview shows how white text looks on a background with the Yxy color 40.0620, 0.2462, 0.3579.

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

40.0620, 0.2462, 0.3579

Protanopia

39.5071, 0.3261, 0.3416

Deuteranopia

39.2346, 0.3200, 0.3129



Tritanopia

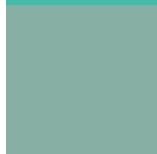
40.1100, 0.2348, 0.3061

Trichromacy



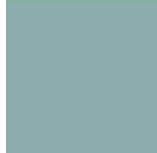
Original Color

40.0620, 0.2462, 0.3579



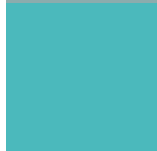
Protanomaly

38.4552, 0.2883, 0.3471



Deuteranomaly

38.0976, 0.2846, 0.3274



Tritanomaly

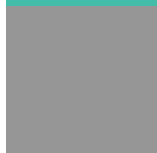
39.8246, 0.2387, 0.3241

Monochromacy



Original Color

40.0620, 0.2462, 0.3579



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

32.9783, 0.2797, 0.3403

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.0620, 0.2462, 0.3579 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(67, 188, 170)` looks like.

```
.text, #text, p{  
    color:rgb(67, 188, 170)  
}
```

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(67, 188, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 188, 170) }
```

Border

The CSS property to change the border of an element to Yxy 40.0620, 0.2462, 0.3579 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(67, 188, 170) }
```

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

```
.border{ border-color:rgb(67, 188, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 188, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 188, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 188, 170);  
box-shadow:4px 4px 4px 4px rgb(67, 188,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 40.0620, 0.2462, 0.3579 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 188, 170) }
```

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

```
.background{ background-color: rgb(67, 188,  
170) }
```

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](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor