

Converting Colors

$Y_{xy}(40.6464, 0.2474, 0.3619)$

Have a look what the booklet for
Yxy(40.6464, 0.2474, 0.3619)
contains.

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Color

Yxy(40.4531, 0.2471, 0.3611)

Conversions

Conversions Part 1

Format	Color
Hex	43BDA9
RGB	67, 189, 169
RGB Percent	26%, 74%, 66%
CMY	0.7367, 0.2589, 0.3372
CMYK	0.64, 0.00, 0.11, 0.26
HSL	170°, 48%, 50%
HSV	170°, 64%, 74%
XYZ	27.6820, 40.4531, 43.8923
YIQ	150.2420, -66.2920, -32.0840

Conversions

Conversions Part 2

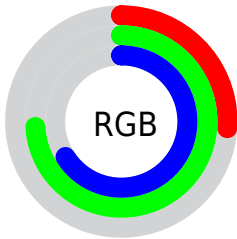
Format	Color
RYB	67, 133, 189
Decimal	4439465
CIELab	69.79, -38.36, 0.17
CIElCh	70, 38.361, 179.742
Yxy	40.4531, 0.2471, 0.3611
Android (android.graphics.Color)	4282629545 (0xFF43BDA9)
YUV	150.2420, 9.2477, -73.0032
Hunter-Lab	63.6028, -33.6158, 3.6058

Details

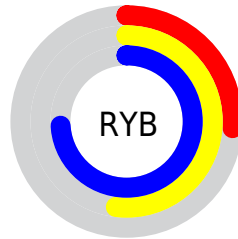
The Yxy color **40.4531, 0.2471, 0.3611** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **15.5392, 0.4848, 0.3047**, and the grayscale version is **30.6058, 0.3127, 0.3290**.

A 20% lighter version of the original color is **75.9605, 0.2596, 0.3555**, and **18.6123, 0.2362, 0.3701** is the 20% darker color. If you saturate the color by 10%, you get **39.7756, 0.2426, 0.3669**, and if you desaturate by 10%, it is **41.3545, 0.2535, 0.3554**.

Distribution



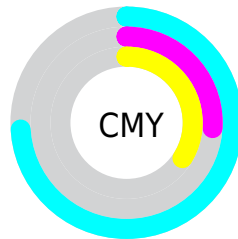
- Red (26%)
- Green (74%)
- Blue (66%)



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



- Cyan (64%)
- Magenta (0%)
- Yellow (11%)
- Black (26%)





- Cyan (74%)
- Magenta (26%)
- Yellow (34%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.4531, 0.2471, 0.3611 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 40.4531, 0.2471, 0.3611 by changing the saturation by 10% instead.


 40.4531, 0.2471,
0.3611

 40.4531, 0.2471,
0.3611


348.0296, 0.2804,
0.3448


 27.8920, 0.2387,
0.3652


 75.8530, 0.2593,
0.3551

 18.2443, 0.2278,
0.3706


 99.4606, 0.2639,
0.3529

 11.1255, 0.2132,
0.3777


 127.5191, 0.2677,
0.3510

 6.1513, 0.1927,
0.3878

 160.4129, 0.2710,
0.3494

 2.9373, 0.1624,
0.4028

 198.5265, 0.2738,
0.3480

 1.0991, 0.0395,
0.4626

242.2442, 0.2763,

 0.0000, 0.0000,

0.3468

0.0000

291.9505, 0.2785,
0.3457

■ 40.4531, 0.2471,
0.3611

■ 40.4531, 0.2471,
0.3611

■ 39.7756, 0.2426,
0.3669

■ 41.3545, 0.2535,
0.3554

■ 39.2952, 0.2401,
0.3728

■ 42.4944, 0.2616,
0.3499

■ 38.9868, 0.2393,
0.3785

■ 43.8913, 0.2713,
0.3446

■ 38.8600, 0.2394,
0.3817

■ 45.5606, 0.2822,
0.3396

■ 47.5168, 0.2942,
0.3350

■ 49.7731, 0.3069,
0.3308

■ 52.3418, 0.3200,
0.3269

■ 55.2347, 0.3334,
0.3235

■ 58.4629, 0.3468,
0.3204

Harmonies

Analogous

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



40.4531, 0.2948, 0.4111



40.4531, 0.2471, 0.3611



40.4531, 0.2182, 0.3047

Triad

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



40.4531, 0.2471, 0.3611



40.4531, 0.2690, 0.2435



40.4531, 0.4233, 0.3822

Complementary

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



40.4531, 0.2471, 0.3611



15.5392, 0.4848, 0.3047

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.



40.4531, 0.4171, 0.3388



40.4531, 0.2471, 0.3611



40.4531, 0.3233, 0.2629

Square

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



40.4531, 0.2471, 0.3611



40.4531, 0.2302, 0.2425



40.4531, 0.3792, 0.2967



40.4531, 0.3975, 0.4177

Rectangle

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



40.4531, 0.2471, 0.3611



40.4531, 0.2118, 0.2745



40.4531, 0.3792, 0.2967



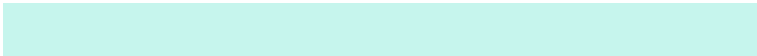
40.4531, 0.4251, 0.3681

Sweetspot

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



40.4547, 0.2471, 0.3611



83.3535, 0.2883, 0.3372



38.8462, 0.3148, 0.5275



17.7132, 0.2849, 0.3385



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.



40.4547, 0.2471, 0.3611



70.8833, 0.2414, 0.3691



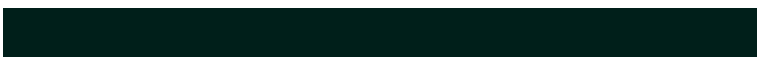
26.1699, 0.2208, 0.2608



10.7819, 0.3006, 0.3328



26.1588, 0.2392, 0.3810



1.0319, 0.2353, 0.3671

Inverse Universe

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



15.5392, 0.4848, 0.3047



22.9259, 0.5432, 0.3056



21.8992, 0.4766, 0.3818



9.5612, 0.3263, 0.3253



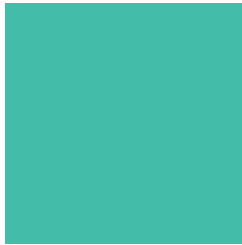
7.3535, 0.6141, 0.3156



0.2961, 0.5544, 0.2827

Previews

White Background



This preview shows how the Yxy color 40.4531, 0.2471, 0.3611 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 40.4531, 0.2471, 0.3611 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

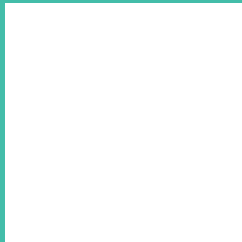
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.4531, 0.2471, 0.3611

Background



This preview shows how black text looks on a background with the Yxy color 40.4531, 0.2471, 0.3611.

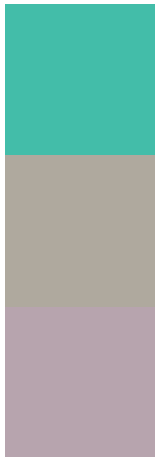


This preview shows how white text looks on a background with the Yxy color 40.4531, 0.2471, 0.3611.

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

40.4531, 0.2471, 0.3611

Protanopia

39.9585, 0.3278, 0.3443

Deuteranopia

39.6742, 0.3218, 0.3157



Tritanopia

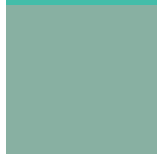
40.6174, 0.2350, 0.3063

Trichromacy



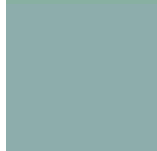
Original Color

40.4531, 0.2471, 0.3611



Protanomaly

38.8935, 0.2899, 0.3501



Deuteranomaly

38.5284, 0.2862, 0.3304



Tritanomaly

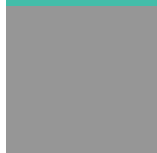
40.3284, 0.2389, 0.3241

Monochromacy



Original Color

40.4531, 0.2471, 0.3611



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 40.4531, 0.2471, 0.3611 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, 189, 169)` looks like.

```
.text, #text, p{  
    color:rgb(67, 189, 169)  
}
```

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, 189, 169) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(67, 189, 169) }
```

Border

The CSS property to change the border of an element to Yxy 40.4531, 0.2471, 0.3611 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, 189, 169) }
```

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

```
.border{ border-color:rgb(67, 189, 169) }
```

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

Here you see how a box with a 4 pixel `rgb(67, 189, 169)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(67, 189, 169); -webkit-box-  
shadow:4px 4px 4px 4px rgb(67, 189, 169);  
box-shadow:4px 4px 4px 4px rgb(67, 189,  
169) }
```


Background

The CSS property to change the background color of an element to Yxy 40.4531, 0.2471, 0.3611 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(67, 189, 169) }
```

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

```
.background{ background-color: rgb(67, 189,  
169) }
```

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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