

Converting Colors

$Y_{xy}(40.8530, 0.2461, 0.3611)$

Have a look what the booklet for
Yxy(40.8530, 0.2461, 0.3611)
contains.

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Color

Yxy(40.8530, 0.2461, 0.3611)

Conversions

Conversions Part 1

Format	Color
Hex	41BEAA
RGB	65, 190, 170
RGB Percent	25%, 75%, 67%
CMY	0.7455, 0.2549, 0.3334
CMYK	0.66, 0.00, 0.11, 0.25
HSL	170°, 49%, 50%
HSV	170°, 66%, 75%
XYZ	27.8425, 40.8530, 44.4394
YIQ	150.3450, -68.0800, -32.7200

Conversions

Conversions Part 2

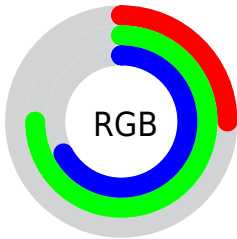
Format	Color
RYB	65, 133, 190
Decimal	4308650
CIELab	70.07, -38.94, 0.05
CIELCh	70, 38.936, 179.930
Yxy	40.8530, 0.2461, 0.3611
Android (android.graphics.Color)	4282498730 (0xFF41BEAA)
YUV	150.3450, 9.6899, -74.8476
Hunter-Lab	63.9164, -34.0975, 3.5187

Details

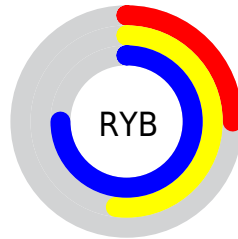
The Yxy color **40.8530, 0.2461, 0.3611** is a dark color, and the websafe version is hex **33CCCC**. A complement of this color would be **15.3724, 0.4915, 0.3052**, and the grayscale version is **30.6217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.4698, 0.2585, 0.3554**, and **18.9163, 0.2361, 0.3699** is the 20% darker color. If you saturate the color by 10%, you get **40.1989, 0.2419, 0.3668**, and if you desaturate by 10%, it is **41.7309, 0.2522, 0.3555**.

Distribution



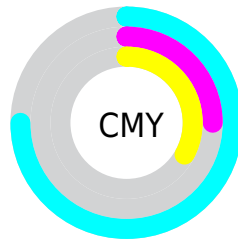
- Red (25%)
- Green (75%)
- Blue (67%)



- Red (25%)
- Yellow (52%)
- Blue (75%)



- Cyan (66%)
- Magenta (0%)
- Yellow (11%)
- Black (25%)





- Cyan (75%)
- Magenta (25%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8530, 0.2461, 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 40.8530, 0.2461, 0.3611 by changing the saturation by 10% instead.


 40.8530, 0.2461,
0.3611


 40.8530, 0.2461,
0.3611


349.7059, 0.2799,
0.3448

 28.2042, 0.2376,
0.3652


 76.4607, 0.2585,
0.3551


 18.4797, 0.2266,
0.3705


 100.1884, 0.2631,
0.3529


 11.2949, 0.2119,
0.3776


 128.3779, 0.2670,
0.3511

 6.2656, 0.1914,
0.3875

 161.4136, 0.2703,
0.3495

 3.0072, 0.1610,
0.4021

 199.6798, 0.2732,
0.3481

 1.1355, 0.0442,
0.4584

243.5610, 0.2757,

 0.0081, 0.0000,

0.3469

0.5960

293.4416, 0.2779,
0.3458

■ 0.0000, 0.0000,
0.0000

■ 40.8530, 0.2461,
0.3611

■ 40.8530, 0.2461,
0.3611

■ 40.1989, 0.2419,
0.3668

■ 41.7309, 0.2522,
0.3555

■ 39.7409, 0.2395,
0.3725

■ 42.8475, 0.2602,
0.3501

■ 39.4517, 0.2390,
0.3781

■ 44.2221, 0.2697,
0.3449

■ 39.3565, 0.2390,
0.3804

■ 45.8705, 0.2805,
0.3400

■ 47.8073, 0.2924,
0.3355

■ 50.0460, 0.3051,
0.3313

■ 52.5995, 0.3182,
0.3275

■ 55.4796, 0.3316,
0.3241

■ 58.6977, 0.3451,
0.3210

Harmonies

Analogous

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



40.8530, 0.2942, 0.4119



40.8530, 0.2461, 0.3611



40.8530, 0.2171, 0.3041

Triad

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



40.8530, 0.2461, 0.3611



40.8530, 0.2688, 0.2427



40.8530, 0.4245, 0.3830

Complementary

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



40.8530, 0.2461, 0.3611



15.3724, 0.4915, 0.3052

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.



40.8530, 0.4185, 0.3391



40.8530, 0.2461, 0.3611



40.8530, 0.3237, 0.2624

Square

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



40.8530, 0.2461, 0.3611



40.8530, 0.2295, 0.2415



40.8530, 0.3802, 0.2966



40.8530, 0.3982, 0.4188

Rectangle

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



40.8530, 0.2461, 0.3611



40.8530, 0.2108, 0.2735



40.8530, 0.3802, 0.2966



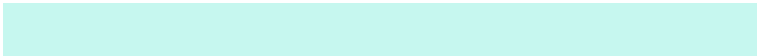
40.8530, 0.4264, 0.3687

Sweetspot

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



40.8546, 0.2461, 0.3611



84.9827, 0.2870, 0.3374



39.1797, 0.3146, 0.5317



18.4451, 0.2836, 0.3388



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.



40.8546, 0.2461, 0.3611



72.4257, 0.2406, 0.3693



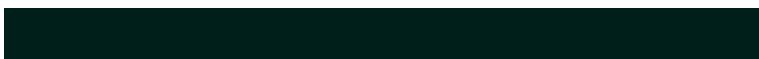
26.1152, 0.2193, 0.2590



10.7826, 0.3006, 0.3327



26.1755, 0.2388, 0.3797



1.0325, 0.2351, 0.3662

Inverse Universe

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



15.3724, 0.4915, 0.3052



22.9168, 0.5528, 0.3069



21.7621, 0.4816, 0.3824



9.5606, 0.3264, 0.3254



7.3508, 0.6150, 0.3161



0.2959, 0.5560, 0.2837

Previews

White Background



This preview shows how the Yxy color 40.8530, 0.2461, 0.3611 looks on a white background.

Color Contrast Check

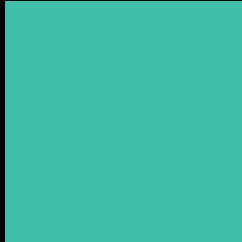
Large Text (above 18pt) WCAG AA × Fail

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 40.8530, 0.2461, 0.3611 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

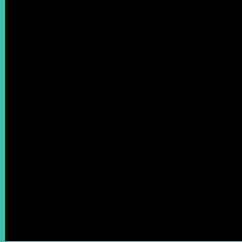
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

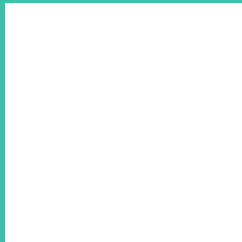
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.8530, 0.2461, 0.3611

Background



This preview shows how black text looks on a background with the Yxy color 40.8530, 0.2461, 0.3611.

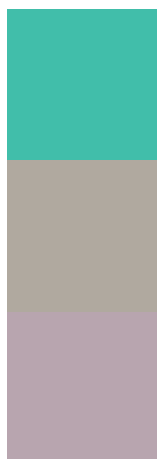


This preview shows how white text looks on a background with the Yxy color 40.8530, 0.2461, 0.3611.

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

40.8530, 0.2461, 0.3611

Protanopia

40.1092, 0.3278, 0.3429

Deuteranopia

40.1958, 0.3217, 0.3157



Tritanopia

40.9971, 0.2340, 0.3063

Trichromacy



Original Color

40.8530, 0.2461, 0.3611



Protanomaly

39.3229, 0.2892, 0.3500



Deuteranomaly

38.9520, 0.2855, 0.3304



Tritanomaly

40.7142, 0.2380, 0.3242

Monochromacy



Original Color

40.8530, 0.2461, 0.3611



Achromatopsia

30.4987, 0.3127, 0.3290



Achromatomaly

33.2665, 0.2790, 0.3419

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8530, 0.2461, 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(65, 190, 170)` looks like.

```
.text, #text, p{  
    color:rgb(65, 190, 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(65, 190, 170) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(65, 190, 170) }
```

Border

The CSS property to change the border of an element to Yxy 40.8530, 0.2461, 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(65, 190, 170) }
```

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

```
.border{ border-color:rgb(65, 190, 170) }
```

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

Here you see how a box with a 4 pixel `rgb(65, 190, 170)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(65, 190, 170); -webkit-box-  
shadow:4px 4px 4px 4px rgb(65, 190, 170);  
box-shadow:4px 4px 4px 4px rgb(65, 190,  
170) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8530, 0.2461, 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(65, 190, 170) }
```

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

```
.background{ background-color: rgb(65, 190,  
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](#).

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