

Converting Colors

$Y_{xy}(40.7567, 0.2474, 0.3730)$

Have a look what the booklet for
Yxy(40.7567, 0.2474, 0.3730)
contains.

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Color

Yxy(40.8415, 0.2473, 0.3730)

Conversions

Conversions Part 1

Format	Color
Hex	3ABFA4
RGB	58, 191, 164
RGB Percent	23%, 75%, 64%
CMY	0.7724, 0.2510, 0.3569
CMYK	0.70, 0.00, 0.14, 0.25
HSL	168°, 53%, 49%
HSV	168°, 70%, 75%
XYZ	27.0780, 40.8415, 41.5751
YIQ	148.1550, -70.6010, -36.5930

Conversions

Conversions Part 2

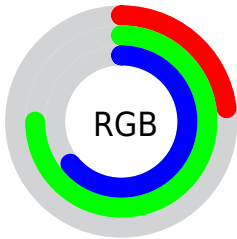
Format	Color
RYB	58, 132, 191
Decimal	3850148
CIELab	70.06, -41.97, 3.29
CIElCh	70, 42.097, 175.515
Yxy	40.8415, 0.2473, 0.3730
Android (android.graphics.Color)	4282040228 (0xFF3ABFA4)
YUV	148.1550, 7.8116, -79.0659
Hunter-Lab	63.9074, -36.2061, 6.1639

Details

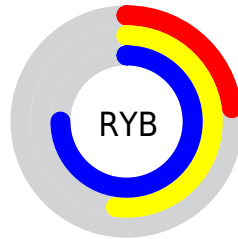
The Yxy color **40.8415, 0.2473, 0.3730** is a dark color, and the websafe version is hex **66CC99**. A complement of this color would be **14.7643, 0.4972, 0.2979**, and the grayscale version is **29.6774, 0.3127, 0.3290**.

A 20% lighter version of the original color is **76.3869, 0.2594, 0.3643**, and **19.0612, 0.2407, 0.3865** is the 20% darker color. If you saturate the color by 10%, you get **40.2344, 0.2441, 0.3804**, and if you desaturate by 10%, it is **41.6684, 0.2524, 0.3657**.

Distribution



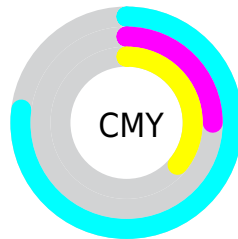
- Red (23%)
- Green (75%)
- Blue (64%)



- Red (23%)
- Yellow (52%)
- Blue (75%)



- Cyan (70%)
- Magenta (0%)
- Yellow (14%)
- Black (25%)





- Cyan (77%)
- Magenta (25%)
- Yellow (36%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 40.8415, 0.2473, 0.3730 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 40.8415, 0.2473, 0.3730 by changing the saturation by 10% instead.

 40.8415, 0.2473,
0.3730


 40.8415, 0.2473,
0.3730


349.6577, 0.2807,
0.3502

 28.1953, 0.2388,
0.3789


 76.4432, 0.2596,
0.3646


 18.4729, 0.2278,
0.3867


 100.1675, 0.2641,
0.3614

 11.2900, 0.2130,
0.3972


 128.3532, 0.2680,
0.3588

 6.2623, 0.1922,
0.4123

 161.3848, 0.2713,
0.3566

 3.0052, 0.1611,
0.4358

 199.6467, 0.2741,
0.3547

 1.1345, 0.0160,
0.5271

243.5232, 0.2766,

 0.0072, 0.0000,

0.3530

1.0000

293.3987, 0.2787,
0.3515

■ 0.0000, 0.0000,
0.0000

■ 40.8415, 0.2473,
0.3730

■ 40.8415, 0.2473,
0.3730

■ 40.2344, 0.2441,
0.3804

■ 41.6684, 0.2524,
0.3657

■ 39.8173, 0.2429,
0.3878

■ 42.7314, 0.2593,
0.3586

■ 39.5454, 0.2431,
0.3951

■ 44.0506, 0.2679,
0.3518

■ 39.5356, 0.2432,
0.3954

■ 45.6428, 0.2779,
0.3454

■ 47.5231, 0.2889,
0.3394

■ 49.7058, 0.3008,
0.3338

■ 52.2041, 0.3132,
0.3288

■ 55.0302, 0.3259,
0.3243

■ 58.1961, 0.3387,
0.3203

Harmonies

Analogous

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



40.8415, 0.3010, 0.4252



40.8415, 0.2473, 0.3730



40.8415, 0.2131, 0.3100

Triad

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



40.8415, 0.2473, 0.3730



40.8415, 0.2578, 0.2351



40.8415, 0.4347, 0.3795

Complementary

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



40.8415, 0.2473, 0.3730



14.7643, 0.4972, 0.2979

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.



40.8415, 0.4231, 0.3322



40.8415, 0.2473, 0.3730



40.8415, 0.3150, 0.2535

Square

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



40.8415, 0.2473, 0.3730



40.8415, 0.2191, 0.2367



40.8415, 0.3774, 0.2879



40.8415, 0.4105, 0.4206

Rectangle

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



40.8415, 0.2473, 0.3730



40.8415, 0.2040, 0.2752



40.8415, 0.3774, 0.2879



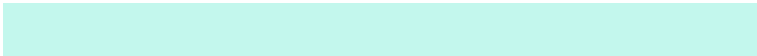
40.8415, 0.4351, 0.3639

Sweetspot

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



40.8431, 0.2473, 0.3730



84.4948, 0.2869, 0.3404



39.5872, 0.3180, 0.5399



18.3415, 0.2838, 0.3420



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.



40.8431, 0.2473, 0.3730



71.5933, 0.2432, 0.3846



27.5537, 0.2182, 0.2660



10.7754, 0.3011, 0.3337



25.9939, 0.2429, 0.3944



1.0268, 0.2380, 0.3769

Inverse Universe

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



14.7643, 0.4972, 0.2979



21.9328, 0.5604, 0.3017



19.6970, 0.5028, 0.3750



9.5672, 0.3257, 0.3244



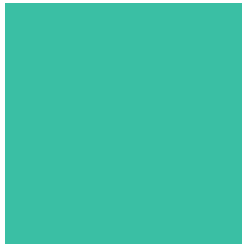
7.3841, 0.6041, 0.3101



0.2988, 0.5381, 0.2738

Previews

White Background



This preview shows how the Yxy color 40.8415, 0.2473, 0.3730 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 40.8415, 0.2473, 0.3730 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

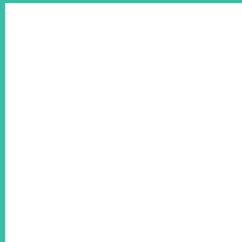
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 40.8415, 0.2473, 0.3730

Background



This preview shows how black text looks on a background with the Yxy color 40.8415, 0.2473, 0.3730.

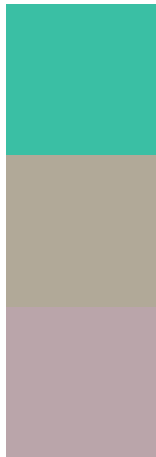


This preview shows how white text looks on a background with the Yxy color 40.8415, 0.2473, 0.3730.

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

40.8415, 0.2473, 0.3730

Protanopia

39.9900, 0.3350, 0.3526

Deuteranopia

40.2516, 0.3281, 0.3224



Tritanopia

40.8714, 0.2329, 0.3062

Trichromacy



Original Color

40.8415, 0.2473, 0.3730



Protanomaly

38.9129, 0.2928, 0.3611



Deuteranomaly

38.5882, 0.2877, 0.3379



Tritanomaly

40.8625, 0.2375, 0.3288

Monochromacy



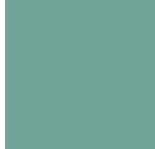
Original Color

40.8415, 0.2473, 0.3730



Achromatopsia

29.6138, 0.3127, 0.3290



Achromatomaly

32.5289, 0.2780, 0.3454

CSS Examples

Text

The CSS property to change the color of the text to Yxy 40.8415, 0.2473, 0.3730 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(58, 191, 164)` looks like.

```
.text, #text, p{  
    color:rgb(58, 191, 164)  
}
```

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(58, 191, 164) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 191, 164) }
```

Border

The CSS property to change the border of an element to Yxy 40.8415, 0.2473, 0.3730 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(58, 191, 164) }
```

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

```
.border{ border-color:rgb(58, 191, 164) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 191, 164)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 191, 164); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 191, 164);  
box-shadow:4px 4px 4px 4px rgb(58, 191,  
164) }
```


Background

The CSS property to change the background color of an element to Yxy 40.8415, 0.2473, 0.3730 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 191, 164) }
```

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

```
.background{ background-color: rgb(58, 191,  
164) }
```

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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