

Converting Colors

Yxy(41.5684, 0.2667, 0.4372)

Have a look what the booklet for
Yxy(41.5684, 0.2667, 0.4372)
contains.

Yxy(41.5684, 0.2667, 0.4372)	3
Conversions	4
Details	6
Harmonies	12
Previews	24
Color Blindness Simulation	27
CSS Examples	30

Color

Yxy(41.5684, 0.2667, 0.4372)

Conversions

Conversions Part 1

Format	Color
Hex	3AC383
RGB	58, 195, 131
RGB Percent	23%, 76%, 51%
CMY	0.7724, 0.2353, 0.4863
CMYK	0.70, 0.00, 0.33, 0.24
HSL	152°, 54%, 50%
HSV	152°, 70%, 76%
XYZ	25.3575, 41.5684, 28.1528
YIQ	146.7410, -61.1080, -48.9480

Conversions

Conversions Part 2

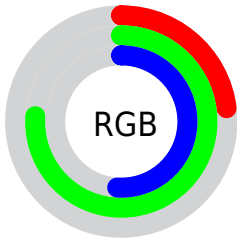
Format	Color
RYB	58, 147, 195
Decimal	3851139
CIELab	70.57, -51.28, 21.85
CIELCh	71, 55.738, 156.922
Yxy	41.5684, 0.2667, 0.4372
Android (android.graphics.Color)	4282041219 (0xFF3AC383)
YUV	146.7410, -7.7603, -77.8259
Hunter-Lab	64.4736, -42.6246, 19.2421

Details

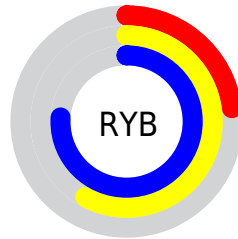
The Yxy color **41.5684, 0.2667, 0.4372** is a dark color, and the websafe version is hex **33CC99**. The color can be described as dark muted spring green. A complement of this color would be **16.0397, 0.4326, 0.2520**, and the grayscale version is **29.1217, 0.3127, 0.3290**.

A 20% lighter version of the original color is **77.8488, 0.2766, 0.4156**, and **19.3502, 0.2639, 0.4701** is the 20% darker color. If you saturate the color by 10%, you get **40.8553, 0.2658, 0.4555**, and if you desaturate by 10%, it is **42.5279, 0.2696, 0.4190**.

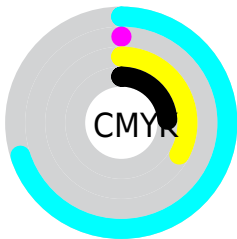
Distribution



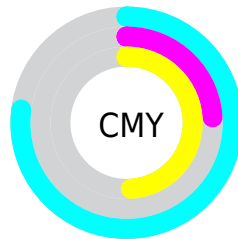
- Red (23%)
- Green (76%)
- Blue (51%)



- Red (23%)
- Yellow (58%)
- Blue (76%)



- Cyan (70%)
- Magenta (0%)
- Yellow (33%)
- Black (24%)




- Cyan (77%)
- Magenta (24%)
- Yellow (49%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.5684, 0.2667, 0.4372 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 41.5684, 0.2667, 0.4372 by changing the saturation by 10% instead.


 41.5684, 0.2667,
0.4372

 41.5684, 0.2667,
0.4372


352.6907, 0.2918,
0.3785


 28.7635, 0.2597,
0.4534


 77.5460, 0.2764,
0.4147


 18.9020, 0.2502,
0.4752


 101.4875, 0.2798,
0.4067


 11.5995, 0.2368,
0.5058


 129.9099, 0.2827,
0.3999

 6.4716, 0.2165,
0.5518

 163.1977, 0.2851,
0.3943

 3.1339, 0.1829,
0.6266

 201.7353, 0.2872,
0.3895

 1.2020, 0.0000,
1.0000

245.9071, 0.2889,

 0.0634, 0.0000,

0.3853

1.0000

296.0974, 0.2905,
0.3817

■ 0.0000, 0.0000,
0.0000

■ 41.5684, 0.2667,
0.4372

■ 41.5684, 0.2667,
0.4372

■ 40.8553, 0.2658,
0.4555

■ 42.5279, 0.2696,
0.4190

■ 40.3565, 0.2669,
0.4734

■ 43.7516, 0.2741,
0.4013

■ 40.0274, 0.2695,
0.4902

■ 45.2614, 0.2802,
0.3844

■ 47.0755, 0.2873,
0.3687

■ 49.2104, 0.2953,
0.3542

■ 51.6816, 0.3038,
0.3410

■ 54.5033, 0.3125,
0.3293

■ 57.6891, 0.3213,
0.3188

■ 61.2518, 0.3300,
0.3095

Harmonies

Analogous

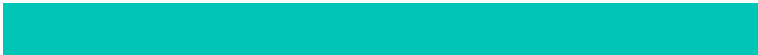
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



41.5684, 0.3426, 0.4779



41.5684, 0.2667, 0.4372



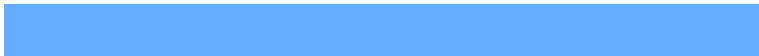
41.5684, 0.2075, 0.3534

Triad

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



41.5684, 0.2667, 0.4372



41.5684, 0.2086, 0.2080



41.5684, 0.4692, 0.3519

Complementary

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



41.5684, 0.2667, 0.4372



16.0397, 0.4326, 0.2520

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.



41.5684, 0.4248, 0.2952



41.5684, 0.2667, 0.4372



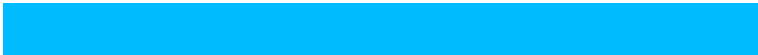
41.5684, 0.2666, 0.2167

Square

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



41.5684, 0.2667, 0.4372



41.5684, 0.1789, 0.2255



41.5684, 0.3463, 0.2476



41.5684, 0.4629, 0.4106

Rectangle

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



41.5684, 0.2667, 0.4372



41.5684, 0.1843, 0.2977



41.5684, 0.3463, 0.2476



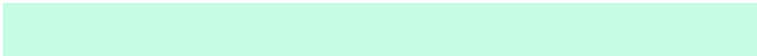
41.5684, 0.4598, 0.3325

Sweetspot

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



41.5701, 0.2667, 0.4372



87.6886, 0.2944, 0.3557



43.6400, 0.3441, 0.5246



18.9580, 0.2921, 0.3597



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



41.5701, 0.2667, 0.4372



72.6735, 0.2661, 0.4647



42.8569, 0.2323, 0.3253



11.3465, 0.3045, 0.3400



26.0323, 0.2689, 0.4879



1.1386, 0.2581, 0.4490

Inverse Universe

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



16.0397, 0.4326, 0.2520



24.2029, 0.4726, 0.2499



15.1745, 0.5449, 0.3320



10.1545, 0.3217, 0.3183



8.0501, 0.5074, 0.2569



0.3617, 0.4551, 0.2281

Previews

White Background



This preview shows how the Yxy color 41.5684, 0.2667, 0.4372 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 41.5684, 0.2667, 0.4372 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 41.5684, 0.2667, 0.4372

Background



This preview shows how black text looks on a background with the Yxy color 41.5684, 0.2667, 0.4372.

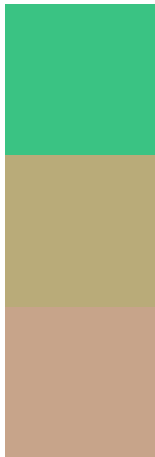


This preview shows how white text looks on a background with the Yxy color 41.5684, 0.2667, 0.4372.

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

41.5684, 0.2667, 0.4372

Protanopia

40.8206, 0.3698, 0.3971

Deuteranopia

40.5280, 0.3710, 0.3631



Tritanopia

41.3133, 0.2369, 0.3065

Trichromacy



Original Color

41.5684, 0.2667, 0.4372



Protanomaly

39.6122, 0.3204, 0.4139



Deuteranomaly

38.7051, 0.3213, 0.3897



Tritanomaly

41.0663, 0.2468, 0.3493

Monochromacy



Original Color

41.5684, 0.2667, 0.4372



Achromatopsia

29.1771, 0.3127, 0.3290



Achromatomaly

32.1188, 0.2880, 0.3677

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.5684, 0.2667, 0.4372 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, 195, 131)` looks like.

```
.text, #text, p{  
  color:rgb(58, 195, 131)  
}
```

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, 195, 131) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(58, 195, 131) }
```

Border

The CSS property to change the border of an element to Yxy 41.5684, 0.2667, 0.4372 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, 195, 131) }
```

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

```
.border{ border-color:rgb(58, 195, 131) }
```

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

Here you see how a box with a 4 pixel `rgb(58, 195, 131)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(58, 195, 131); -webkit-box-  
shadow:4px 4px 4px 4px rgb(58, 195, 131);  
box-shadow:4px 4px 4px 4px rgb(58, 195,  
131) }
```


Background

The CSS property to change the background color of an element to Yxy 41.5684, 0.2667, 0.4372 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(58, 195, 131) }
```

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

```
.background{ background-color: rgb(58, 195,  
131) }
```

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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