

Converting Colors

$Y_{xy}(44.8613, 0.2432, 0.3679)$

Have a look what the booklet for
Yxy(44.8613, 0.2432, 0.3679)
contains.

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Color

Yxy(44.6721, 0.2427, 0.3666)

Conversions

Conversions Part 1

Format	Color
Hex	34C7AF
RGB	52, 199, 175
RGB Percent	20%, 78%, 69%
CMY	0.7962, 0.2196, 0.3138
CMYK	0.74, 0.00, 0.12, 0.22
HSL	170°, 59%, 49%
HSV	170°, 74%, 78%
XYZ	29.5742, 44.6721, 47.6088
YIQ	152.3110, -79.9080, -38.6280

Conversions

Conversions Part 2

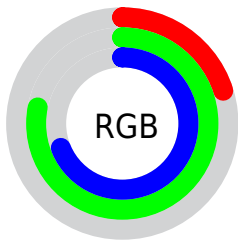
Format	Color
RYB	52, 132, 199
Decimal	3458991
CIELab	72.68, -43.41, 1.09
CIELCh	73, 43.421, 178.564
Yxy	44.6721, 0.2427, 0.3666
Android (android.graphics.Color)	4281649071 (0xFF34C7AF)
YUV	152.3110, 11.1857, -87.9727
Hunter-Lab	66.8372, -37.9821, 4.5532

Details

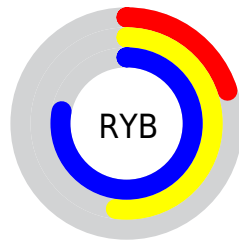
The Yxy color **44.6721, 0.2427, 0.3666** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle muted spring green. A complement of this color would be **15.1185, 0.5261, 0.3049**, and the grayscale version is **31.5141, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2262, 0.2551, 0.3586**, and **21.3766, 0.2374, 0.3745** is the 20% darker color. If you saturate the color by 10%, you get **44.1265, 0.2401, 0.3724**, and if you desaturate by 10%, it is **45.4467, 0.2473, 0.3608**.

Distribution



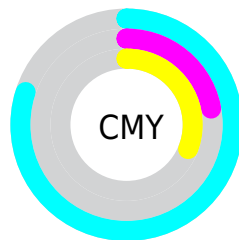
- Red (20%)
- Green (78%)
- Blue (69%)



- Red (20%)
- Yellow (52%)
- Blue (78%)



- Cyan (74%)
- Magenta (0%)
- Yellow (12%)
- Black (22%)




- Cyan (80%)
- Magenta (22%)
- Yellow (31%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.6721, 0.2427, 0.3666 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 44.6721, 0.2427, 0.3666 by changing the saturation by 10% instead.


 44.6721, 0.2427,
0.3666


 44.6721, 0.2427,
0.3666


365.4439, 0.2777,
0.3477

 31.1992, 0.2340,
0.3713


 82.2281, 0.2554,
0.3597


 20.7506, 0.2229,
0.3774


 107.0801, 0.2602,
0.3571

 12.9418, 0.2082,
0.3855

 136.4939, 0.2642,
0.3550

 7.3885, 0.1881,
0.3966

 170.8539, 0.2677,
0.3531

 3.7062, 0.1588,
0.4131

 210.5445, 0.2707,
0.3515

 1.5106, 0.0825,
0.4546

255.9501, 0.2733,

 0.2962, 0.0000,

0.3501

0.5459

307.4551, 0.2756,
0.3488

■ 0.0000, 0.0000,
0.0000

■ 44.6721, 0.2427,
0.3666

■ 44.6721, 0.2427,
0.3666

■ 44.1265, 0.2401,
0.3724

■ 45.4467, 0.2473,
0.3608

■ 43.7744, 0.2393,
0.3782

■ 46.4700, 0.2537,
0.3551

■ 43.6212, 0.2394,
0.3818

■ 47.7653, 0.2620,
0.3496

■ 49.3519, 0.2717,
0.3443

■ 51.2474, 0.2828,
0.3393

■ 53.4678, 0.2948,
0.3347

■ 56.0281, 0.3076,
0.3305

■ 58.9424, 0.3208,
0.3267

■ 62.2240, 0.3343,
0.3233

Harmonies

Analogous

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



44.6721, 0.2950, 0.4214



44.6721, 0.2427, 0.3666



44.6721, 0.2108, 0.3041

Triad

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



44.6721, 0.2427, 0.3666



44.6721, 0.2629, 0.2360



44.6721, 0.4339, 0.3841

Complementary

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



44.6721, 0.2427, 0.3666



15.1185, 0.5261, 0.3049

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.



44.6721, 0.4261, 0.3370



44.6721, 0.2427, 0.3666



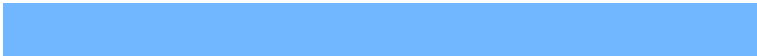
44.6721, 0.3215, 0.2563

Square

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



44.6721, 0.2427, 0.3666



44.6721, 0.2219, 0.2355



44.6721, 0.3832, 0.2920



44.6721, 0.4065, 0.4240

Rectangle

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



44.6721, 0.2427, 0.3666



44.6721, 0.2035, 0.2707



44.6721, 0.3832, 0.2920



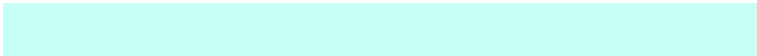
44.6721, 0.4356, 0.3687

Sweetspot

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



44.6738, 0.2427, 0.3666



90.2919, 0.2846, 0.3386



42.6541, 0.3128, 0.5545



19.1136, 0.2814, 0.3399



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.



44.6738, 0.2427, 0.3666



76.8248, 0.2394, 0.3762



26.6646, 0.2109, 0.2485



12.0366, 0.3005, 0.3328



28.0581, 0.2392, 0.3810



1.3367, 0.2358, 0.3689

Inverse Universe

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



15.1185, 0.5261, 0.3049



22.4762, 0.5902, 0.3113



21.6951, 0.5108, 0.3844



10.6647, 0.3264, 0.3252



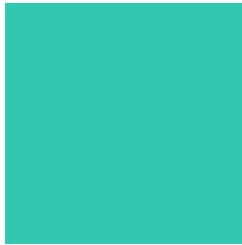
7.8853, 0.6147, 0.3160



0.3825, 0.5618, 0.2868

Previews

White Background



This preview shows how the Yxy color 44.6721, 0.2427, 0.3666 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 44.6721, 0.2427, 0.3666 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

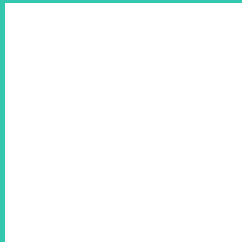
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.6721, 0.2427, 0.3666

Background



This preview shows how black text looks on a background with the Yxy color 44.6721, 0.2427, 0.3666.

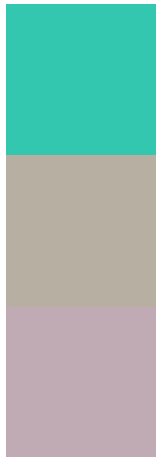


This preview shows how white text looks on a background with the Yxy color 44.6721, 0.2427, 0.3666.

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

44.6721, 0.2427, 0.3666

Protanopia

43.7266, 0.3307, 0.3478

Deuteranopia

43.6685, 0.3233, 0.3162



Tritanopia

44.6144, 0.2301, 0.3055

Trichromacy



Original Color

44.6721, 0.2427, 0.3666



Protanomaly

42.2219, 0.2860, 0.3541



Deuteranomaly

41.9651, 0.2818, 0.3318



Tritanomaly

44.6349, 0.2346, 0.3273

Monochromacy



Original Color

44.6721, 0.2427, 0.3666



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

34.6270, 0.2750, 0.3434

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.6721, 0.2427, 0.3666 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(52, 199, 175)` looks like.

```
.text, #text, p{  
    color:rgb(52, 199, 175)  
}
```

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(52, 199, 175) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(52, 199, 175) }
```

Border

The CSS property to change the border of an element to Yxy 44.6721, 0.2427, 0.3666 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(52, 199, 175) }
```

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

```
.border{ border-color:rgb(52, 199, 175) }
```

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

Here you see how a box with a 4 pixel rgb(52, 199, 175) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(52, 199, 175); -webkit-box-  
shadow:4px 4px 4px 4px rgb(52, 199, 175);  
box-shadow:4px 4px 4px 4px rgb(52, 199,  
175) }
```


Background

The CSS property to change the background color of an element to Yxy 44.6721, 0.2427, 0.3666 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(52, 199, 175) }
```

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

```
.background{ background-color: rgb(52, 199,  
175) }
```

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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