

Converting Colors

$Yxy(44.7936, 0.2390, 0.3404)$

Have a look what the booklet for
Yxy(44.7936, 0.2390, 0.3404)
contains.

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Color

Yxy(44.7649, 0.2391, 0.3410)

Conversions

Conversions Part 1

Format	Color
Hex	42C5BD
RGB	66, 197, 189
RGB Percent	26%, 77%, 74%
CMY	0.7419, 0.2274, 0.2589
CMYK	0.67, 0.00, 0.04, 0.23
HSL	176°, 53%, 52%
HSV	176°, 67%, 77%
XYZ	31.3879, 44.7649, 55.1225
YIQ	156.9190, -75.5080, -30.2600

Conversions

Conversions Part 2

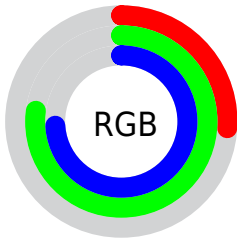
Format	Color
R _{YB}	66, 134, 197
Decimal	4375997
CIE Lab	72.74, -36.88, -6.40
CIE LCh	73, 37.435, 189.851
Yxy	44.7649, 0.2391, 0.3410
Android (android.graphics.Color)	4282566077 (0xFF42C5BD)
YUV	156.9190, 15.8159, -79.7360
Hunter-Lab	66.9066, -33.3466, -2.0128

Details

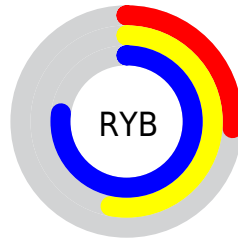
The Yxy color **44.7649, 0.2391, 0.3410** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted spring green. A complement of this color would be **16.2410, 0.5173, 0.3207**, and the grayscale version is **33.6106, 0.3127, 0.3290**.

A 20% lighter version of the original color is **82.2220, 0.2522, 0.3392**, and **21.4225, 0.2288, 0.3435** is the 20% darker color. If you saturate the color by 10%, you get **44.1460, 0.2343, 0.3430**, and if you desaturate by 10%, it is **45.6230, 0.2458, 0.3390**.

Distribution



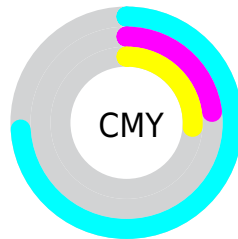
- Red (26%)
- Green (77%)
- Blue (74%)



- Red (26%)
- Yellow (53%)
- Blue (77%)



- Cyan (67%)
- Magenta (0%)
- Yellow (4%)
- Black (23%)




- Cyan (74%)
- Magenta (23%)
- Yellow (26%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 44.7649, 0.2391, 0.3410 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 44.7649, 0.2391, 0.3410 by changing the saturation by 10% instead.

 44.7649, 0.2391,
0.3410


 44.7649, 0.2391,
0.3410


365.8206, 0.2754,
0.3357


 31.2723, 0.2302,
0.3421


 82.3675, 0.2522,
0.3393


 20.8063, 0.2190,
0.3433


 107.2463, 0.2571,
0.3386


 12.9825, 0.2043,
0.3447


 136.6893, 0.2613,
0.3379

 7.4165, 0.1843,
0.3460

 171.0808, 0.2649,
0.3374

 3.7239, 0.1559,
0.3469

 210.8053, 0.2681,
0.3369

 1.5203, 0.1012,
0.3500

256.2472, 0.2708,

 0.3030, 0.0000,

0.3365

0.2804

307.7908, 0.2733,
0.3361

■ 0.0000, 0.0000,
0.0000

■ 44.7649, 0.2391,
0.3410

■ 44.7649, 0.2391,
0.3410

■ 44.1460, 0.2343,
0.3430

■ 45.6230, 0.2458,
0.3390

■ 43.7358, 0.2314,
0.3451

■ 46.7371, 0.2543,
0.3370

■ 43.5027, 0.2302,
0.3471

■ 48.1282, 0.2646,
0.3351

■ 43.4420, 0.2299,
0.3478

■ 49.8137, 0.2763,
0.3332

■ 51.8097, 0.2893,
0.3315

■ 54.1311, 0.3032,
0.3300

■ 56.7919, 0.3177,
0.3285

■ 59.8051, 0.3327,
0.3272

■ 63.1831, 0.3478,
0.3261

Harmonies

Analogous

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



44.7649, 0.2794, 0.3925



44.7649, 0.2391, 0.3410



44.7649, 0.2187, 0.2909

Triad

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



44.7649, 0.2391, 0.3410



44.7649, 0.2877, 0.2522



44.7649, 0.4121, 0.3925

Complementary

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



44.7649, 0.2391, 0.3410



16.2410, 0.5173, 0.3207

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.



44.7649, 0.4168, 0.3529



44.7649, 0.2391, 0.3410



44.7649, 0.3413, 0.2758

Square

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



44.7649, 0.2391, 0.3410



44.7649, 0.2448, 0.2451



44.7649, 0.3902, 0.3115



44.7649, 0.3797, 0.4203

Rectangle

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



44.7649, 0.2391, 0.3410



44.7649, 0.2177, 0.2664



44.7649, 0.3902, 0.3115



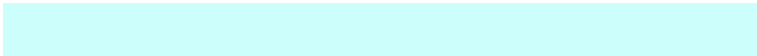
44.7649, 0.4172, 0.3800

Sweetspot

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



44.7666, 0.2391, 0.3410



91.3779, 0.2843, 0.3322



41.8107, 0.3070, 0.5390



19.3409, 0.2806, 0.3326



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.



44.7666, 0.2391, 0.3410



78.6655, 0.2328, 0.3440



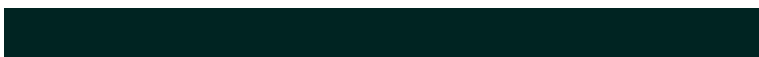
23.9891, 0.2129, 0.2351



12.0559, 0.2992, 0.3304



28.5723, 0.2299, 0.3475



1.3564, 0.2287, 0.3433

Inverse Universe

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



16.2410, 0.5173, 0.3207



23.9920, 0.5821, 0.3223



26.3493, 0.4706, 0.3994



10.6473, 0.3280, 0.3276



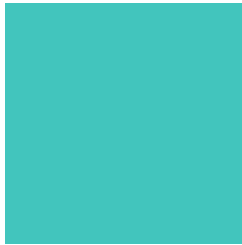
7.8296, 0.6326, 0.3259



0.3745, 0.6075, 0.3120

Previews

White Background



This preview shows how the Yxy color 44.7649, 0.2391, 0.3410 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 44.7649, 0.2391, 0.3410 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

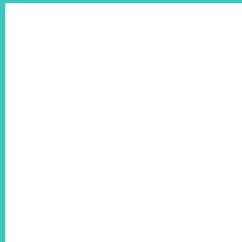
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.7649, 0.2391, 0.3410

Background



This preview shows how black text looks on a background with the Yxy color 44.7649, 0.2391, 0.3410.

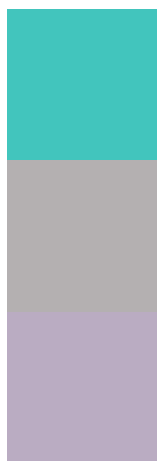


This preview shows how white text looks on a background with the Yxy color 44.7649, 0.2391, 0.3410.

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

44.7649, 0.2391, 0.3410

Protanopia

43.9283, 0.3154, 0.3277

Deuteranopia

43.8392, 0.3070, 0.3008



Tritanopia

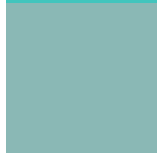
44.7732, 0.2314, 0.3056

Trichromacy



Original Color

44.7649, 0.2391, 0.3410



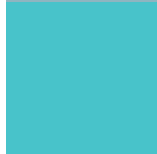
Protanomaly

43.0204, 0.2785, 0.3332



Deuteranomaly

42.6043, 0.2736, 0.3134



Tritanomaly

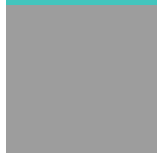
44.6722, 0.2341, 0.3184

Monochromacy



Original Color

44.7649, 0.2391, 0.3410



Achromatopsia

33.7164, 0.3127, 0.3290



Achromatomaly

36.6547, 0.2750, 0.3335

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.7649, 0.2391, 0.3410 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(66, 197, 189)` looks like.

```
.text, #text, p{  
    color:rgb(66, 197, 189)  
}
```

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(66, 197, 189) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(66, 197, 189) }
```

Border

The CSS property to change the border of an element to Yxy 44.7649, 0.2391, 0.3410 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(66, 197, 189) }
```

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

```
.border{ border-color:rgb(66, 197, 189) }
```

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

Here you see how a box with a 4 pixel `rgb(66, 197, 189)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(66, 197, 189); -webkit-box-  
shadow:4px 4px 4px 4px rgb(66, 197, 189);  
box-shadow:4px 4px 4px 4px rgb(66, 197,  
189) }
```


Background

The CSS property to change the background color of an element to Yxy 44.7649, 0.2391, 0.3410 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(66, 197, 189) }
```

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

```
.background{ background-color: rgb(66, 197,  
189) }
```

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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