

Converting Colors

$Yxy(51.4449, 0.2379, 0.3453)$

Have a look what the booklet for
Yxy(51.4449, 0.2379, 0.3453)
contains.

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Color

Yxy(51.2408, 0.2378, 0.3447)

Conversions

Conversions Part 1

Format	Color
Hex	3ED2C7
RGB	62, 210, 199
RGB Percent	24%, 82%, 78%
CMY	0.7562, 0.1765, 0.2196
CMYK	0.70, 0.00, 0.05, 0.18
HSL	176°, 62%, 53%
HSV	176°, 70%, 82%
XYZ	35.3498, 51.2408, 62.0628
YIQ	164.4940, -84.6770, -34.7970

Conversions

Conversions Part 2

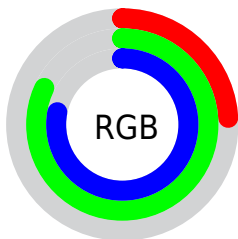
Format	Color
RYB	62, 139, 210
Decimal	4117191
CIELab	76.82, -40.53, -5.78
CIElCh	77, 40.945, 188.121
Yxy	51.2408, 0.2378, 0.3447
Android (android.graphics.Color)	4282307271 (0xFF3ED2C7)
YUV	164.4940, 17.0115, -89.8872
Hunter-Lab	71.5827, -37.1208, -1.2970

Details

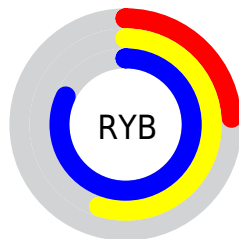
The Yxy color **51.2408, 0.2378, 0.3447** is a light color, and the websafe version is hex **33CCCC**. The color can be described as light muted cyan. A complement of this color would be **17.6470, 0.5333, 0.3189**, and the grayscale version is **37.3424, 0.3127, 0.3290**.

A 20% lighter version of the original color is **83.4858, 0.2482, 0.3288**, and **25.4870, 0.2301, 0.3485** is the 20% darker color. If you saturate the color by 10%, you get **50.6160, 0.2339, 0.3472**, and if you desaturate by 10%, it is **52.1327, 0.2436, 0.3422**.

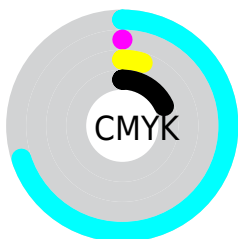
Distribution



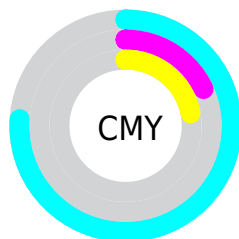
- Red (24%)
- Green (82%)
- Blue (78%)



- Red (24%)
- Yellow (55%)
- Blue (82%)



- Cyan (70%)
- Magenta (0%)
- Yellow (5%)
- Black (18%)





- Cyan (76%)
- Magenta (18%)
- Yellow (22%)

Brightness & Saturation Gradients

These gradients show how the Yxy color 51.2408, 0.2378, 0.3447 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 51.2408, 0.2378, 0.3447 by changing the saturation by 10% instead.

 51.2408, 0.2378,
0.3447

 51.2408, 0.2378,
0.3447


391.4986, 0.2740,
0.3377


 36.4003, 0.2292,
0.3462


 92.0106, 0.2506,
0.3424

 24.7435, 0.2184,
0.3479


 118.7087, 0.2555,
0.3414

 15.8861, 0.2045,
0.3500


 150.1281, 0.2597,
0.3406

 9.4436, 0.1860,
0.3524

 186.6532, 0.2633,
0.3399

 5.0316, 0.1604,
0.3550

228.6684, 0.2665,
0.3392

 2.2658, 0.1230,
0.3568

276.5581, 0.2693,

 0.7555, 0.0000,

0.3387

0.3764

330.7067, 0.2718,
0.3382

■ 0.0000, 0.0000,
0.0000

■ 51.2408, 0.2378,
0.3447

■ 51.2408, 0.2378,
0.3447

■ 50.6160, 0.2339,
0.3472

■ 52.1327, 0.2436,
0.3422

■ 50.2202, 0.2318,
0.3497

■ 53.3127, 0.2514,
0.3397

■ 50.0018, 0.2311,
0.3521

■ 54.8065, 0.2609,
0.3373

■ 56.6352, 0.2720,
0.3350

■ 58.8183, 0.2844,
0.3329

■ 61.3737, 0.2979,
0.3309

■ 64.3180, 0.3121,
0.3291

■ 67.6669, 0.3268,
0.3274

■ 71.4351, 0.3418,
0.3259

Harmonies

Analogous

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



51.2408, 0.2806, 0.3983



51.2408, 0.2378, 0.3447



51.2408, 0.2155, 0.2916

Triad

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



51.2408, 0.2378, 0.3447



51.2408, 0.2835, 0.2482



51.2408, 0.4176, 0.3927

Complementary

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



51.2408, 0.2378, 0.3447



17.6470, 0.5333, 0.3189

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.



51.2408, 0.4208, 0.3510



51.2408, 0.2378, 0.3447



51.2408, 0.3392, 0.2718

Square

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



51.2408, 0.2378, 0.3447



51.2408, 0.2399, 0.2418



51.2408, 0.3913, 0.3082



51.2408, 0.3850, 0.4232

Rectangle

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



51.2408, 0.2378, 0.3447



51.2408, 0.2135, 0.2654



51.2408, 0.3913, 0.3082



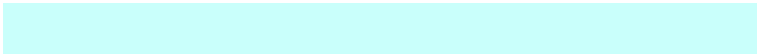
51.2408, 0.4224, 0.3795

Sweetspot

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



51.2428, 0.2378, 0.3447



90.9663, 0.2833, 0.3331



47.9143, 0.3074, 0.5500



19.2587, 0.2798, 0.3337



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.



51.2428, 0.2378, 0.3447



78.2241, 0.2327, 0.3484



26.9873, 0.2090, 0.2323



13.3913, 0.2993, 0.3307



30.5094, 0.2310, 0.3517



1.7105, 0.2298, 0.3472

Inverse Universe

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



17.6470, 0.5333, 0.3189



23.1247, 0.5945, 0.3215



28.4056, 0.4859, 0.3985



11.8223, 0.3279, 0.3273



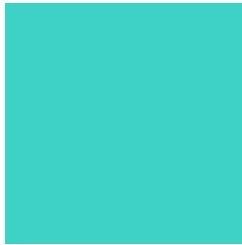
8.3856, 0.6313, 0.3251



0.4740, 0.6045, 0.3104

Previews

White Background



This preview shows how the Yxy color 51.2408, 0.2378, 0.3447 looks on a white background.

Color Contrast Check

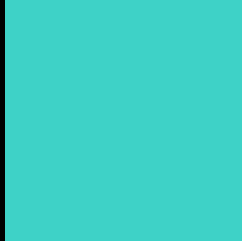
Large Text (above 18pt) WCAG AA × Fail

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 51.2408, 0.2378, 0.3447 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

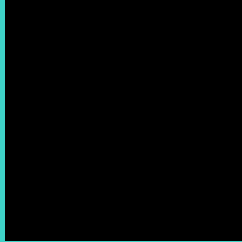
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

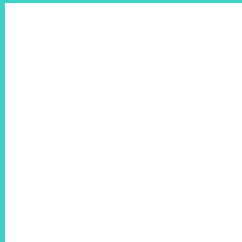
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 51.2408, 0.2378, 0.3447

Background



This preview shows how black text looks on a background with the Yxy color 51.2408, 0.2378, 0.3447.

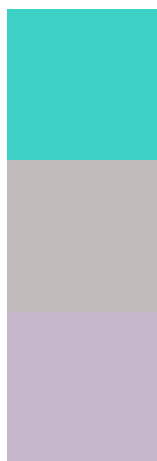


This preview shows how white text looks on a background with the Yxy color 51.2408, 0.2378, 0.3447.

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

51.2408, 0.2378, 0.3447

Protanopia

50.2923, 0.3177, 0.3303

Deuteranopia

50.4169, 0.3090, 0.3024



Tritanopia

51.0068, 0.2297, 0.3054

Trichromacy



Original Color

51.2408, 0.2378, 0.3447



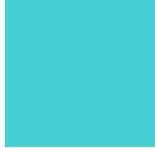
Protanomaly

48.8115, 0.2781, 0.3344



Deuteranomaly

48.8413, 0.2729, 0.3155



Tritanomaly

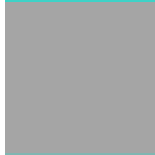
50.8203, 0.2325, 0.3189

Monochromacy



Original Color

51.2408, 0.2378, 0.3447



Achromatopsia

37.6262, 0.3127, 0.3290



Achromatomaly

40.8113, 0.2737, 0.3348

CSS Examples

Text

The CSS property to change the color of the text to Yxy 51.2408, 0.2378, 0.3447 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(62, 210, 199)` looks like.

```
.text, #text, p{  
    color:rgb(62, 210, 199)  
}
```

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(62, 210, 199) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 210, 199) }
```

Border

The CSS property to change the border of an element to Yxy 51.2408, 0.2378, 0.3447 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(62, 210, 199) }
```

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

```
.border{ border-color:rgb(62, 210, 199) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 210, 199)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 210, 199); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 210, 199);  
box-shadow:4px 4px 4px 4px rgb(62, 210,  
199) }
```


Background

The CSS property to change the background color of an element to Yxy 51.2408, 0.2378, 0.3447 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 210, 199) }
```

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

```
.background{ background-color: rgb(62, 210,  
199) }
```

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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