

Converting Colors

$Yxy(42.0067, 0.2448, 0.3610)$

Have a look what the booklet for
Yxy(42.0067, 0.2448, 0.3610)
contains.

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Color

Yxy(42.1426, 0.2451, 0.3623)

Conversions

Conversions Part 1

| Format | Color |
|-------------|------------------------------|
| Hex | 3EC1AC |
| RGB | 62, 193, 172 |
| RGB Percent | 24%, 76%, 67% |
| CMY | 0.7563, 0.2432, 0.3254 |
| CMYK | 0.68, 0.00, 0.11, 0.24 |
| HSL | 170°, 51%, 50% |
| HSV | 170°, 68%, 76% |
| XYZ | 28.5099, 42.1426, 45.6671 |
| YIQ | 151.4370, -71.3350, -34.3030 |

Conversions

Conversions Part 2

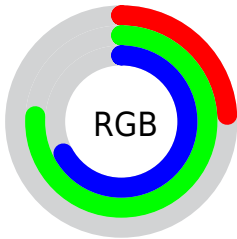
| Format | Color |
|-------------------------------------|--------------------------------|
| RYB | 62, 133, 193 |
| Decimal | 4112812 |
| CIELab | 70.97, -40.17, 0.24 |
| CIELCh | 71, 40.167, 179.659 |
| Yxy | 42.1426, 0.2451, 0.3623 |
| Android (android.graphics.Color) | 4282302892 (0xFF3EC1AC) |
| YUV | 151.4370, 10.1376, -78.4362 |
| Hunter-Lab | 64.9173, -35.2129, 3.7337 |

Details

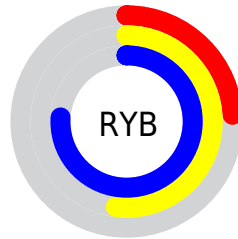
The Yxy color **42.1426, 0.2451, 0.3623** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **15.4230, 0.5001, 0.3050**, and the grayscale version is **31.1399, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.3529, 0.2577, 0.3564**, and **19.8213, 0.2365, 0.3714** is the 20% darker color. If you saturate the color by 10%, you get **41.5082, 0.2413, 0.3680**, and if you desaturate by 10%, it is **43.0046, 0.2509, 0.3567**.

Distribution



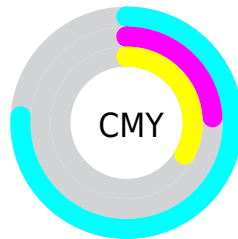
- Red (24%)
- Green (76%)
- Blue (67%)



- Red (24%)
- Yellow (52%)
- Blue (76%)



- Cyan (68%)
- Magenta (0%)
- Yellow (11%)
- Black (24%)




- Cyan (76%)
- Magenta (24%)
- Yellow (33%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 42.1426, 0.2451, 0.3623 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 42.1426, 0.2451, 0.3623 by changing the saturation by 10% instead.


 42.1426, 0.2451,
0.3623

 42.1426, 0.2451,
0.3623


355.0737, 0.2792,
0.3455


 29.2130, 0.2365,
0.3665


 78.4154, 0.2575,
0.3562

 19.2420, 0.2255,
0.3720


 102.5274, 0.2622,
0.3539

 11.8453, 0.2109,
0.3792


 131.1355, 0.2661,
0.3519

 6.6384, 0.1906,
0.3893

 164.6243, 0.2695,
0.3503

 3.2370, 0.1607,
0.4042

 203.3782, 0.2724,
0.3488

 1.2567, 0.0625,
0.4524

247.7814, 0.2750,

 0.1073, 0.0000,

0.3476

0.5173

298.2185, 0.2772,
0.3465

0.0000, 0.0000,
0.0000

42.1426, 0.2451,
0.3623

42.1426, 0.2451,
0.3623

41.5082, 0.2413,
0.3680

43.0046, 0.2509,
0.3567

41.0719, 0.2393,
0.3737

44.1105, 0.2585,
0.3512

40.7986, 0.2390,
0.3793

45.4805, 0.2677,
0.3459

40.7470, 0.2391,
0.3806

47.1315, 0.2783,
0.3410

49.0787, 0.2900,
0.3363

■ 51.3367, 0.3025,
0.3321

■ 53.9186, 0.3156,
0.3282

■ 56.8371, 0.3290,
0.3247

■ 60.1041, 0.3425,
0.3216

Harmonies

Analogous

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



42.1426, 0.2942, 0.4142



42.1426, 0.2451, 0.3623



42.1426, 0.2154, 0.3039

Triad

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



42.1426, 0.2451, 0.3623



42.1426, 0.2674, 0.2410



42.1426, 0.4269, 0.3834

Complementary

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



42.1426, 0.2451, 0.3623



15.4230, 0.5001, 0.3050

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.



42.1426, 0.4205, 0.3387



42.1426, 0.2451, 0.3623



42.1426, 0.3234, 0.2609

Square

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



42.1426, 0.2451, 0.3623



42.1426, 0.2276, 0.2399



42.1426, 0.3812, 0.2955



42.1426, 0.4002, 0.4202

Rectangle

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



42.1426, 0.2451, 0.3623



42.1426, 0.2089, 0.2727



42.1426, 0.3812, 0.2955



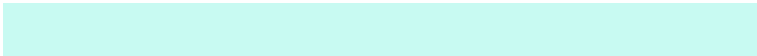
42.1426, 0.4287, 0.3689

Sweetspot

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



42.1442, 0.2451, 0.3623



86.9814, 0.2870, 0.3375



40.3683, 0.3142, 0.5376



18.4450, 0.2836, 0.3388



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.



42.1442, 0.2451, 0.3623



73.9579, 0.2402, 0.3706



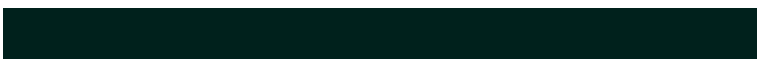
26.4920, 0.2171, 0.2565



11.3998, 0.3005, 0.3327



27.1138, 0.2389, 0.3798



1.1791, 0.2353, 0.3672

Inverse Universe

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



15.4230, 0.5001, 0.3050



22.9554, 0.5611, 0.3076



21.9436, 0.4888, 0.3831



10.1036, 0.3264, 0.3253



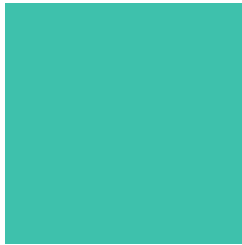
7.6143, 0.6151, 0.3162



0.3375, 0.5596, 0.2856

Previews

White Background



This preview shows how the Yxy color 42.1426, 0.2451, 0.3623 looks on a white background.

Color Contrast Check

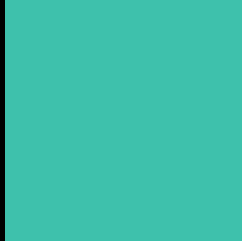
Large Text (above 18pt) WCAG AA × Fail

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 42.1426, 0.2451, 0.3623 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

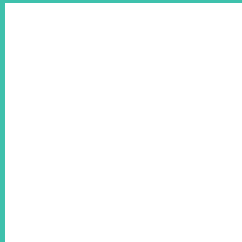
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 42.1426, 0.2451, 0.3623

Background



This preview shows how black text looks on a background with the Yxy color 42.1426, 0.2451, 0.3623.

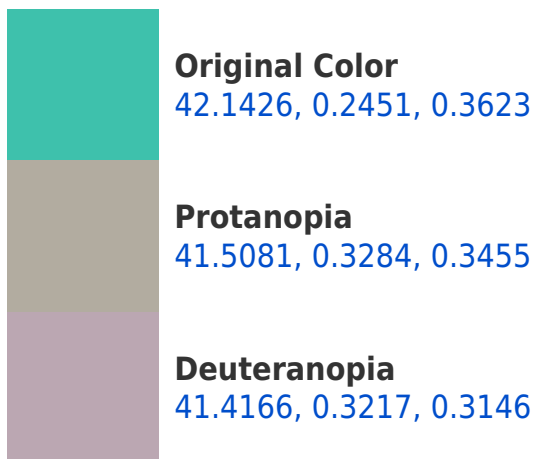


This preview shows how white text looks on a background with the Yxy color 42.1426, 0.2451, 0.3623.

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





Tritanopia

41.9039, 0.2325, 0.3050

Trichromacy



Original Color

42.1426, 0.2451, 0.3623



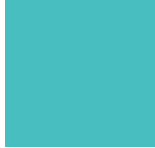
Protanomaly

40.5571, 0.2886, 0.3529



Deuteranomaly

39.9360, 0.2843, 0.3289



Tritanomaly

42.0104, 0.2373, 0.3257

Monochromacy



Original Color

42.1426, 0.2451, 0.3623



Achromatopsia

30.9469, 0.3127, 0.3290



Achromatomaly

33.6976, 0.2776, 0.3402

CSS Examples

Text

The CSS property to change the color of the text to Yxy 42.1426, 0.2451, 0.3623 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, 193, 172)` looks like.

```
.text, #text, p{  
    color:rgb(62, 193, 172)  
}
```

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, 193, 172) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 193, 172) }
```

Border

The CSS property to change the border of an element to Yxy 42.1426, 0.2451, 0.3623 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, 193, 172) }
```

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

```
.border{ border-color:rgb(62, 193, 172) }
```

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

Here you see how a box with a 4 pixel `rgb(62, 193, 172)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 193, 172); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 193, 172);  
box-shadow:4px 4px 4px 4px rgb(62, 193,  
172) }
```


Background

The CSS property to change the background color of an element to Yxy 42.1426, 0.2451, 0.3623 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 193, 172) }
```

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

```
.background{ background-color: rgb(62, 193,  
172) }
```

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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