

Converting Colors

$Y_{xy}(41.7872, 0.2411, 0.3496)$

Have a look what the booklet for
Yxy(41.7872, 0.2411, 0.3496)
contains.

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Color

Yxy(41.9378, 0.2416, 0.3509)

Conversions

Conversions Part 1

Format	Color
Hex	3EC0B2
RGB	62, 192, 178
RGB Percent	24%, 75%, 70%
CMY	0.7567, 0.2471, 0.3019
CMYK	0.68, 0.00, 0.07, 0.25
HSL	174°, 51%, 50%
HSV	174°, 68%, 75%
XYZ	28.8748, 41.9378, 48.7023
YIQ	151.5340, -72.9860, -31.9140

Conversions

Conversions Part 2

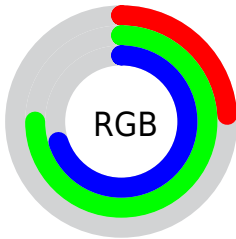
Format	Color
RYB	62, 131, 192
Decimal	4112562
CIELab	70.83, -38.14, -3.25
CIELCh	71, 38.275, 184.871
Yxy	41.9378, 0.2416, 0.3509
Android (android.graphics.Color)	4282302642 (0xFF3EC0B2)
YUV	151.5340, 13.0477, -78.5213
Hunter-Lab	64.7594, -33.7397, 0.7425

Details

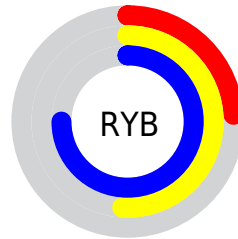
The Yxy color **41.9378, 0.2416, 0.3509** is a dark color, and the websafe version is hex **33CCCC**. The color can be described as middle muted spring green. A complement of this color would be **15.1770, 0.5116, 0.3135**, and the grayscale version is **31.1595, 0.3127, 0.3290**.

A 20% lighter version of the original color is **78.1275, 0.2544, 0.3467**, and **19.6576, 0.2327, 0.3576** is the 20% darker color. If you saturate the color by 10%, you get **41.3419, 0.2373, 0.3546**, and if you desaturate by 10%, it is **42.7574, 0.2478, 0.3472**.

Distribution



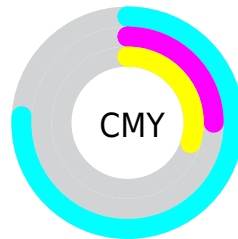
- Red (24%)
- Green (75%)
- Blue (70%)



- Red (24%)
- Yellow (51%)
- Blue (75%)



- Cyan (68%)
- Magenta (0%)
- Yellow (7%)
- Black (25%)



- Cyan (76%)
- Magenta (25%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 41.9378, 0.2416, 0.3509 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 41.9378, 0.2416, 0.3509 by changing the saturation by 10% instead.


 41.9378, 0.2416,
0.3509


 41.9378, 0.2416,
0.3509


354.2250, 0.2773,
0.3403


 29.0526, 0.2327,
0.3534


 78.1055, 0.2546,
0.3471


 19.1206, 0.2213,
0.3566

 102.1567, 0.2594,
0.3457


 11.7575, 0.2063,
0.3606


 130.6988, 0.2635,
0.3444

 6.5787, 0.1856,
0.3659

 164.1161, 0.2671,
0.3434

 3.2001, 0.1554,
0.3729

 202.7929, 0.2701,
0.3425

 1.2371, 0.0673,
0.3995

247.1138, 0.2728,

 0.0917, 0.0000,

0.3416

0.2189

297.4630, 0.2752,
0.3409

0.0000, 0.0000,
0.0000

41.9378, 0.2416,
0.3509

41.9378, 0.2416,
0.3509

41.3419, 0.2373,
0.3546

42.7574, 0.2478,
0.3472

40.9405, 0.2350,
0.3583

43.8167, 0.2558,
0.3436

40.6995, 0.2342,
0.3620

45.1356, 0.2654,
0.3402

40.6527, 0.2341,
0.3628

46.7307, 0.2766,
0.3369

48.6171, 0.2889,
0.3338

■ 50.8091, 0.3021,
0.3310

■ 53.3197, 0.3160,
0.3284

■ 56.1613, 0.3301,
0.3261

■ 59.3457, 0.3445,
0.3240

Harmonies

Analogous

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



41.9378, 0.2862, 0.4030



41.9378, 0.2416, 0.3509



41.9378, 0.2168, 0.2967

Triad

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



41.9378, 0.2416, 0.3509



41.9378, 0.2780, 0.2466



41.9378, 0.4195, 0.3885

Complementary

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



41.9378, 0.2416, 0.3509



15.1770, 0.5116, 0.3135

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.



41.9378, 0.4191, 0.3462



41.9378, 0.2416, 0.3509



41.9378, 0.3330, 0.2686

Square

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



41.9378, 0.2416, 0.3509



41.9378, 0.2364, 0.2423



41.9378, 0.3864, 0.3039



41.9378, 0.3896, 0.4208

Rectangle

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



41.9378, 0.2416, 0.3509



41.9378, 0.2132, 0.2690



41.9378, 0.3864, 0.3039



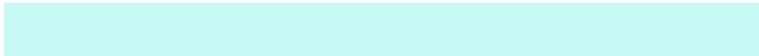
41.9378, 0.4231, 0.3750

Sweetspot

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



41.9394, 0.2416, 0.3509



87.1410, 0.2856, 0.3346



39.6331, 0.3104, 0.5397



18.4838, 0.2820, 0.3355



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.



41.9394, 0.2416, 0.3509



74.5335, 0.2360, 0.3563



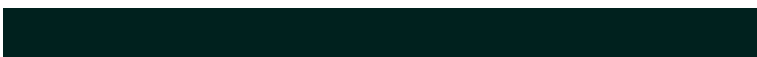
24.2300, 0.2145, 0.2451



11.4092, 0.2998, 0.3315



27.3620, 0.2340, 0.3623



1.1877, 0.2317, 0.3541

Inverse Universe

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



15.1770, 0.5116, 0.3135



22.8100, 0.5749, 0.3159



23.1104, 0.4809, 0.3915



10.0951, 0.3272, 0.3266



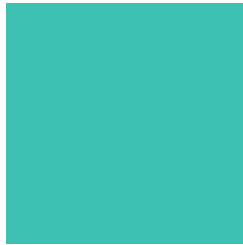
7.5821, 0.6257, 0.3221



0.3336, 0.5830, 0.2985

Previews

White Background



This preview shows how the Yxy color 41.9378, 0.2416, 0.3509 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 41.9378, 0.2416, 0.3509 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

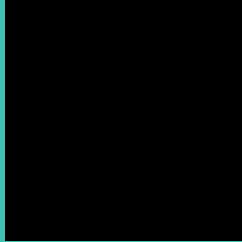
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

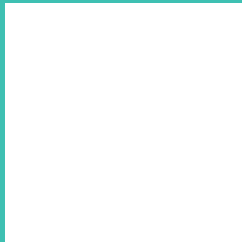
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 41.9378, 0.2416, 0.3509

Background



This preview shows how black text looks on a background with the Yxy color 41.9378, 0.2416, 0.3509.

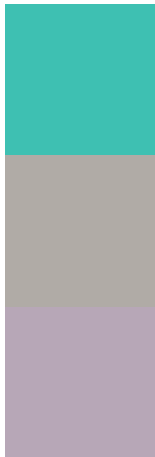


This preview shows how white text looks on a background with the Yxy color 41.9378, 0.2416, 0.3509.

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

41.9378, 0.2416, 0.3509

Protanopia

41.1091, 0.3215, 0.3359

Deuteranopia

41.1236, 0.3137, 0.3079



Tritanopia

41.8219, 0.2318, 0.3050

Trichromacy



Original Color

41.9378, 0.2416, 0.3509



Protanomaly

40.2934, 0.2835, 0.3423



Deuteranomaly

39.8758, 0.2784, 0.3216



Tritanomaly

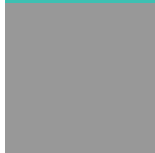
41.6374, 0.2347, 0.3196

Monochromacy



Original Color

41.9378, 0.2416, 0.3509



Achromatopsia

31.3989, 0.3127, 0.3290



Achromatomaly

34.1326, 0.2763, 0.3385

CSS Examples

Text

The CSS property to change the color of the text to Yxy 41.9378, 0.2416, 0.3509 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, 192, 178)` looks like.

```
.text, #text, p{  
    color:rgb(62, 192, 178)  
}
```

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, 192, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(62, 192, 178) }
```

Border

The CSS property to change the border of an element to Yxy 41.9378, 0.2416, 0.3509 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, 192, 178) }
```

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

```
.border{ border-color:rgb(62, 192, 178) }
```

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

Here you see how a box with a 4 pixel rgb(62, 192, 178) colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(62, 192, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(62, 192, 178);  
box-shadow:4px 4px 4px 4px rgb(62, 192,  
178) }
```


Background

The CSS property to change the background color of an element to Yxy 41.9378, 0.2416, 0.3509 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(62, 192, 178) }
```

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

```
.background{ background-color: rgb(62, 192,  
178) }
```

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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