

Converting Colors

$Yxy(44.2043, 0.2290, 0.3405)$

Have a look what the booklet for
Yxy(44.2043, 0.2290, 0.3405)
contains.

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Color

Yxy(44.2160, 0.2292, 0.3412)

Conversions

Conversions Part 1

Format	Color
Hex	10C6BE
RGB	16, 198, 190
RGB Percent	6%, 78%, 75%
CMY	0.9366, 0.2235, 0.2550
CMYK	0.92, 0.00, 0.04, 0.22
HSL	177°, 85%, 42%
HSV	177°, 92%, 78%
XYZ	29.7020, 44.2160, 55.6717
YIQ	142.6700, -105.9040, -41.0720

Conversions

Conversions Part 2

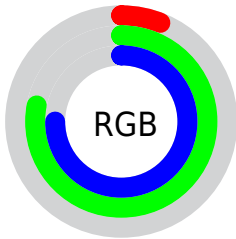
Format	Color
RYB	16, 109, 198
Decimal	1099454
CIELab	72.37, -41.62, -7.56
CIELCh	72, 42.296, 190.297
Yxy	44.2160, 0.2292, 0.3412
Android (android.graphics.Color)	4279289534 (0xFF10C6BE)
YUV	142.6700, 23.3337, -111.0896
Hunter-Lab	66.4951, -36.6343, -3.0928

Details

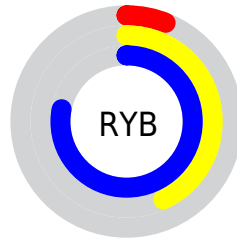
The Yxy color **44.2160, 0.2292, 0.3412** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as middle washed spring green. A complement of this color would be **12.4486, 0.6202, 0.3265**, and the grayscale version is **27.2881, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.2996, 0.2440, 0.3394**, and **21.4511, 0.2282, 0.3414** is the 20% darker color. If you saturate the color by 10%, you get **44.0748, 0.2284, 0.3424**, and if you desaturate by 10%, it is **44.5189, 0.2313, 0.3398**.

Distribution



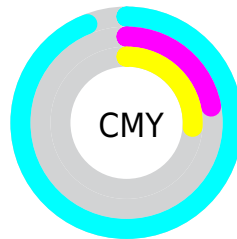
- Red (6%)
- Green (78%)
- Blue (75%)



- Red (6%)
- Yellow (43%)
- Blue (78%)



- Cyan (92%)
- Magenta (0%)
- Yellow (4%)
- Black (22%)





- Cyan (94%)
- Magenta (22%)
- Yellow (26%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.2160, 0.2292, 0.3412 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 44.2160, 0.2292, 0.3412 by changing the saturation by 10% instead.

 44.2160, 0.2292,
0.3412

 44.2160, 0.2292,
0.3412

363.5890, 0.2703,
0.3361


 30.8404, 0.2192,
0.3421


 81.5427, 0.2440,
0.3396

 20.4773, 0.2066,
0.3432


 106.2625, 0.2496,
0.3389


 12.7425, 0.1902,
0.3442


 135.5325, 0.2543,
0.3383

 7.2515, 0.1681,
0.3448

 169.7371, 0.2584,
0.3378

 3.6199, 0.1372,
0.3443

 209.2606, 0.2620,
0.3373

 1.4633, 0.0681,
0.3483

254.4875, 0.2651,

 0.2627, 0.0000,

0.3368

0.2438

305.8022, 0.2679,
0.3364

■ 0.0000, 0.0000,
0.0000

■ 44.2160, 0.2292,
0.3412

■ 44.2160, 0.2292,
0.3412

■ 44.0748, 0.2284,
0.3424

■ 44.5189, 0.2313,
0.3398

■ 45.0171, 0.2352,
0.3383

■ 45.7407, 0.2410,
0.3369

■ 46.7136, 0.2487,
0.3354

■ 47.9566, 0.2582,
0.3340

■ 49.4882, 0.2693,
0.3327

■ 51.3254, 0.2818,
0.3314

■ 53.4839, 0.2955,
0.3303

■ 55.9783, 0.3100,
0.3292

Harmonies

Analogous

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



44.2160, 0.2737, 0.4011



44.2160, 0.2292, 0.3412



44.2160, 0.2073, 0.2844

Triad

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



44.2160, 0.2292, 0.3412



44.2160, 0.2849, 0.2435



44.2160, 0.4245, 0.4000

Complementary

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



44.2160, 0.2292, 0.3412



12.4486, 0.6202, 0.3265

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.



44.2160, 0.4310, 0.3553



44.2160, 0.2292, 0.3412



44.2160, 0.3457, 0.2699

Square

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



44.2160, 0.2292, 0.3412



44.2160, 0.2369, 0.2350



44.2160, 0.4014, 0.3094



44.2160, 0.3869, 0.4323

Rectangle

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



44.2160, 0.2292, 0.3412



44.2160, 0.2065, 0.2575



44.2160, 0.4014, 0.3094



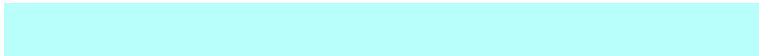
44.2160, 0.4306, 0.3858

Sweetspot

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



44.2177, 0.2292, 0.3412



88.6798, 0.2734, 0.3323



40.6371, 0.3018, 0.5925



18.6957, 0.2682, 0.3328



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.



44.2177, 0.2292, 0.3412



78.0364, 0.2285, 0.3426



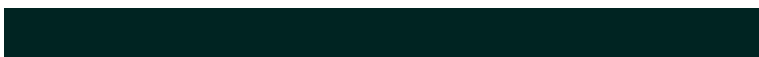
16.7212, 0.1870, 0.1875



12.0592, 0.2990, 0.3300



28.6657, 0.2284, 0.3422



1.3599, 0.2276, 0.3392

Inverse Universe

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



12.4486, 0.6202, 0.3265



21.2847, 0.6370, 0.3283



20.7788, 0.5381, 0.4029



10.6444, 0.3283, 0.3280



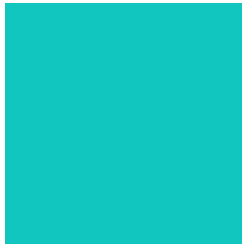
7.8234, 0.6347, 0.3270



0.3731, 0.6161, 0.3168

Previews

White Background



This preview shows how the Yxy color 44.2160, 0.2292, 0.3412 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 44.2160, 0.2292, 0.3412 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

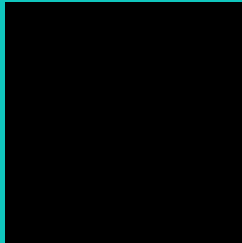
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

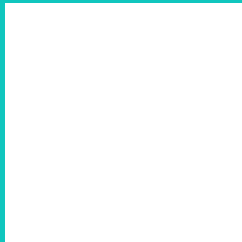
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.2160, 0.2292, 0.3412

Background



This preview shows how black text looks on a background with the Yxy color 44.2160, 0.2292, 0.3412.

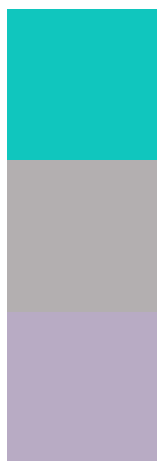


This preview shows how white text looks on a background with the Yxy color 44.2160, 0.2292, 0.3412.

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

44.2160, 0.2292, 0.3412

Protanopia

43.3782, 0.3154, 0.3277

Deuteranopia

43.3017, 0.3037, 0.2969



Tritanopia

44.2913, 0.2230, 0.3052

Trichromacy



Original Color

44.2160, 0.2292, 0.3412



Protanomaly

41.1962, 0.2660, 0.3318



Deuteranomaly

41.1537, 0.2594, 0.3100



Tritanomaly

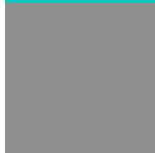
44.1490, 0.2250, 0.3182

Monochromacy



Original Color

44.2160, 0.2292, 0.3412



Achromatopsia

27.4677, 0.3127, 0.3290



Achromatomaly

31.2738, 0.2602, 0.3339

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.2160, 0.2292, 0.3412 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(16, 198, 190)` looks like.

```
.text, #text, p{  
    color:rgb(16, 198, 190)  
}
```

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(16, 198, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(16, 198, 190) }
```

Border

The CSS property to change the border of an element to Yxy 44.2160, 0.2292, 0.3412 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(16, 198, 190) }
```

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

```
.border{ border-color:rgb(16, 198, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(16, 198, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(16, 198, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(16, 198, 190);  
box-shadow:4px 4px 4px 4px rgb(16, 198,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 44.2160, 0.2292, 0.3412 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(16, 198, 190) }
```

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

```
.background{ background-color: rgb(16, 198,  
190) }
```

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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