

Converting Colors

$Y_{xy}(40.2819, 0.1828, 0.3435)$

Have a look what the booklet for
Yxy(40.2819, 0.1828, 0.3435)
contains.

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Color

Yxy(44.5646, 0.2285, 0.3427)

Conversions

Conversions Part 1

Format	Color
Hex	00C7BE
RGB	0, 199, 190
RGB Percent	0%, 78%, 75%
CMY	1.0000, 0.2196, 0.2548
CMYK	1.00, 0.00, 0.05, 0.22
HSL	177°, 100%, 39%
HSV	177°, 100%, 78%
XYZ	29.7141, 44.5646, 55.7610
YIQ	138.4730, -115.7150, -44.9870

Conversions

Conversions Part 2

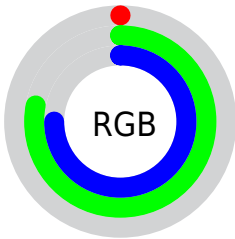
Format	Color
RYB	0, 102, 199
Decimal	51134
CIELab	72.60, -42.57, -7.25
CIELCh	73, 43.180, 189.661
Yxy	44.5646, 0.2285, 0.3427
Android (android.graphics.Color)	4278241214 (0xFF00C7BE)
YUV	138.4730, 25.4028, -121.4408
Hunter-Lab	66.7567, -37.3722, -2.7945

Details

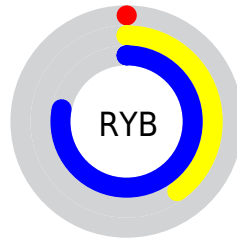
The Yxy color **44.5646, 0.2285, 0.3427** is a dark color, and the websafe version is hex **00CCCC**. The color can be described as dark washed spring green. A complement of this color would be **12.1631, 0.6357, 0.3276**, and the grayscale version is **25.5428, 0.3127, 0.3290**.

A 20% lighter version of the original color is **81.1169, 0.2431, 0.3394**, and **21.7527, 0.2287, 0.3434** is the 20% darker color. If you saturate the color by 10%, you get **44.5696, 0.2285, 0.3427**, and if you desaturate by 10%, it is **44.7567, 0.2295, 0.3412**.

Distribution



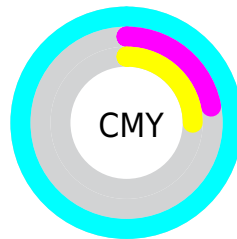
- Red (0%)
- Green (78%)
- Blue (75%)



- Red (0%)
- Yellow (40%)
- Blue (78%)



- Cyan (100%)
- Magenta (0%)
- Yellow (5%)
- Black (22%)




- Cyan (100%)
- Magenta (22%)
- Yellow (25%)

Brightness & Saturation Gradients


These gradients show how the Yxy color 44.5646, 0.2285, 0.3427 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 44.5646, 0.2285, 0.3427 by changing the saturation by 10% instead.


 44.5646, 0.2285,
0.3427

 44.5646, 0.2285,
0.3427


365.0073, 0.2699,
0.3368

 31.1146, 0.2185,
0.3438


 82.0667, 0.2433,
0.3408


 20.6861, 0.2058,
0.3451


 106.8875, 0.2490,
0.3400


 12.8948, 0.1893,
0.3464


 136.2675, 0.2538,
0.3393

 7.3561, 0.1671,
0.3476

 170.5909, 0.2579,
0.3387

 3.6858, 0.1362,
0.3477

 210.2422, 0.2615,
0.3382

 1.4994, 0.0676,
0.3528

255.6058, 0.2647,

 0.2883, 0.0000,

0.3377

0.2600

307.0660, 0.2674,
0.3372

■ 0.0000, 0.0000,
0.0000

■ 44.5646, 0.2285,
0.3427

■ 44.5646, 0.2285,
0.3427

■ 44.5696, 0.2285,
0.3427

■ 44.7567, 0.2295,
0.3412

■ 45.0959, 0.2320,
0.3398

■ 45.6401, 0.2362,
0.3383

■ 46.4171, 0.2423,
0.3368

■ 47.4504, 0.2503,
0.3353

■ 48.7606, 0.2601,
0.3339

■ 50.3662, 0.2715,
0.3325

■ 52.2841, 0.2843,
0.3313

■ 54.5300, 0.2981,
0.3301

Harmonies

Analogous

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



44.5646, 0.2741, 0.4036



44.5646, 0.2285, 0.3427



44.5646, 0.2058, 0.2846

Triad

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



44.5646, 0.2285, 0.3427



44.5646, 0.2832, 0.2417



44.5646, 0.4269, 0.4001

Complementary

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



44.5646, 0.2285, 0.3427



12.1631, 0.6357, 0.3276

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.



44.5646, 0.4329, 0.3546



44.5646, 0.2285, 0.3427



44.5646, 0.3449, 0.2682

Square

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



44.5646, 0.2285, 0.3427



44.5646, 0.2349, 0.2335



44.5646, 0.4020, 0.3081



44.5646, 0.3891, 0.4336

Rectangle

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



44.5646, 0.2285, 0.3427



44.5646, 0.2047, 0.2569



44.5646, 0.4020, 0.3081



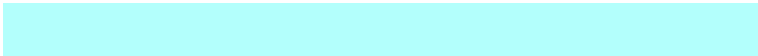
44.5646, 0.4329, 0.3856

Sweetspot

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



44.5696, 0.2285, 0.3427



88.0436, 0.2710, 0.3326



40.9153, 0.3010, 0.5992



18.5758, 0.2660, 0.3332



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.



44.5696, 0.2285, 0.3427



78.0201, 0.2286, 0.3429



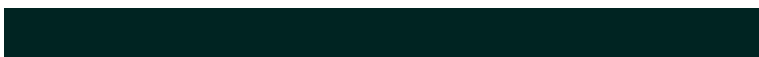
15.1586, 0.1817, 0.1740



12.0590, 0.2990, 0.3300



28.6599, 0.2285, 0.3425



1.3597, 0.2276, 0.3394

Inverse Universe

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



12.1631, 0.6357, 0.3276



21.2854, 0.6369, 0.3282



19.3807, 0.5561, 0.3966



10.6446, 0.3283, 0.3280



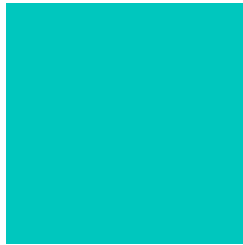
7.8238, 0.6346, 0.3269



0.3732, 0.6156, 0.3165

Previews

White Background



This preview shows how the Yxy color 44.5646, 0.2285, 0.3427 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 44.5646, 0.2285, 0.3427 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

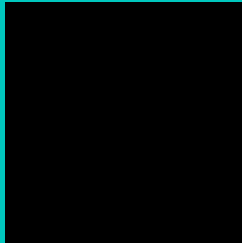
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

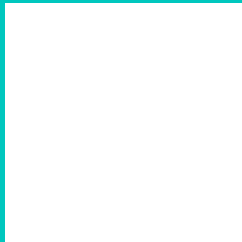
If you want to check with other color combinations, try the [Color Contrast Checker](#).

Yxy 44.5646, 0.2285, 0.3427

Background



This preview shows how black text looks on a background with the Yxy color 44.5646, 0.2285, 0.3427.

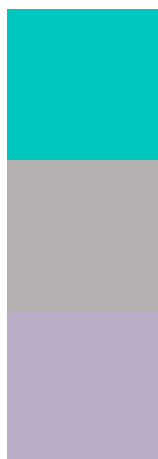


This preview shows how white text looks on a background with the Yxy color 44.5646, 0.2285, 0.3427.

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

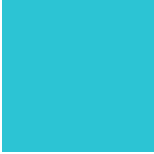
44.5646, 0.2285, 0.3427

Protanopia

43.8886, 0.3162, 0.3290

Deuteranopia

43.8049, 0.3046, 0.2983



Tritanopia

44.7688, 0.2227, 0.3053

Trichromacy



Original Color

44.5646, 0.2285, 0.3427



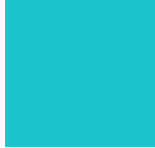
Protanomaly

41.2620, 0.2630, 0.3334



Deuteranomaly

41.2025, 0.2564, 0.3113



Tritanomaly

44.5390, 0.2240, 0.3182

Monochromacy



Original Color

44.5646, 0.2285, 0.3427



Achromatopsia

25.4152, 0.3127, 0.3290



Achromatomaly

29.6506, 0.2555, 0.3341

CSS Examples

Text

The CSS property to change the color of the text to Yxy 44.5646, 0.2285, 0.3427 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(0, 199, 190)` looks like.

```
.text, #text, p{  
    color:rgb(0, 199, 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(0, 199, 190) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(0, 199, 190) }
```

Border

The CSS property to change the border of an element to Yxy 44.5646, 0.2285, 0.3427 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(0, 199, 190) }
```

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

```
.border{ border-color:rgb(0, 199, 190) }
```

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

Here you see how a box with a 4 pixel `rgb(0, 199, 190)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(0, 199, 190); -webkit-box-  
shadow:4px 4px 4px 4px rgb(0, 199, 190);  
box-shadow:4px 4px 4px 4px rgb(0, 199,  
190) }
```


Background

The CSS property to change the background color of an element to Yxy 44.5646, 0.2285, 0.3427 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(0, 199, 190) }
```

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

```
.background{ background-color: rgb(0, 199,  
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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